Oracle Banking Enterprise Limits and Collateral Management Cloud Service Outbound Flow Invoke SOAP Service OnPrem (OBELCM CS) Release 14.7.4.0.0

Part Number - F99835-01
June 2024

ORACLE FINANCIAL SERVICES

Table of Contents

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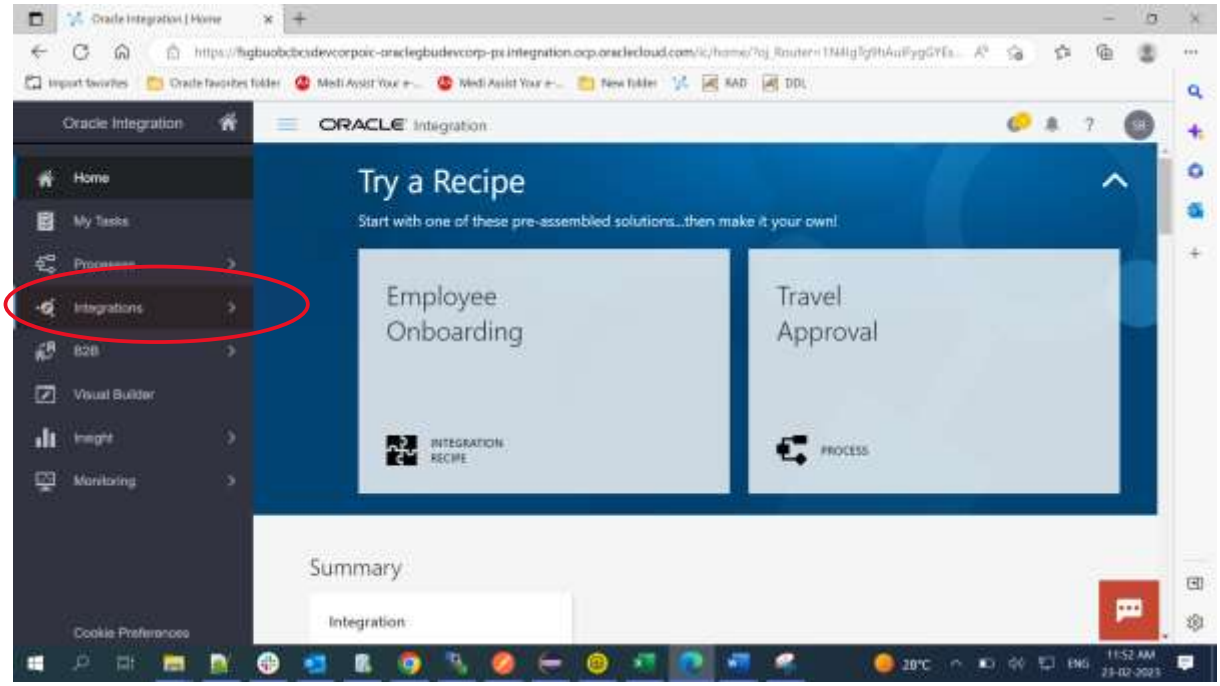
Base Doc:
https://confluence.oraclecorp.com/confluence/display/BLA/Chapter+2.+Outbound+Flow+-+Invoke+SOAP+Service+OnPrem

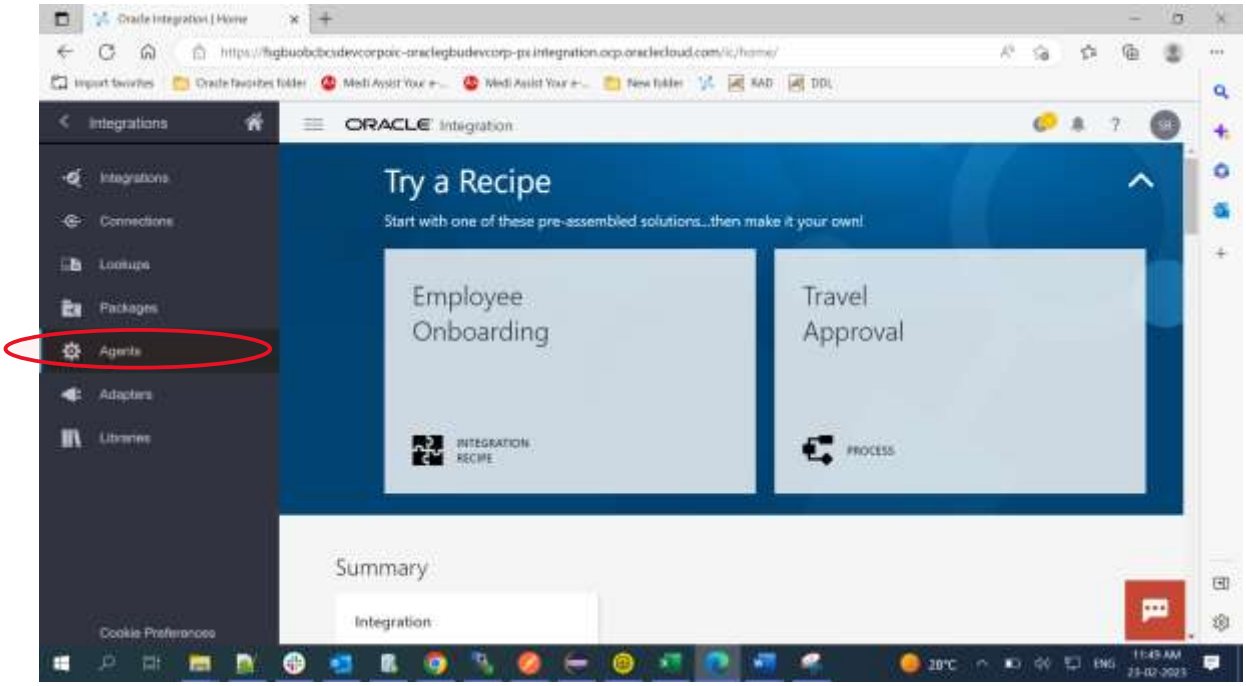
OIC DASHBOARD

Login to the dashboard using the below URL with SSO login.

URL: https://fsgbuobcbcsdevcorpoic-oraclegbudevcorp-px.integration.ocp.oraclecloud.com/ic/home

1. **To create an Agent in Oracle Integration:**
    1) In the left navigation pane, click on Navigation Menu > Integrations > Agents.

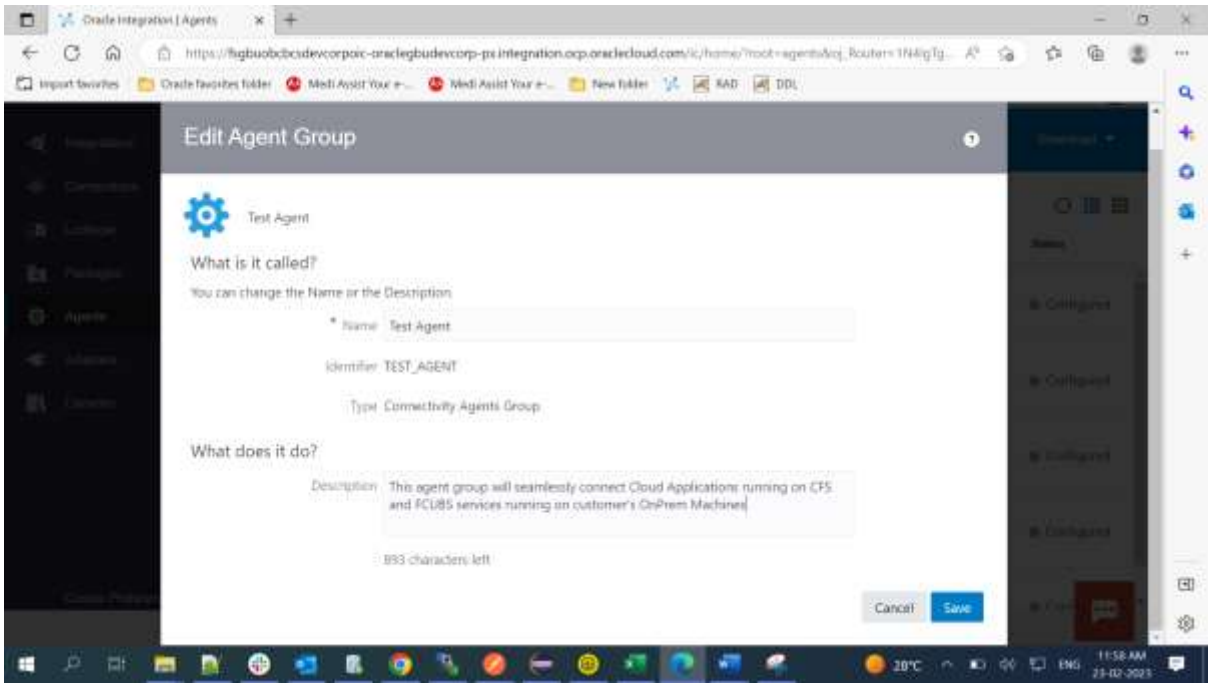




2) Click Create Agent Group.

The Create New Agent Group is displayed.

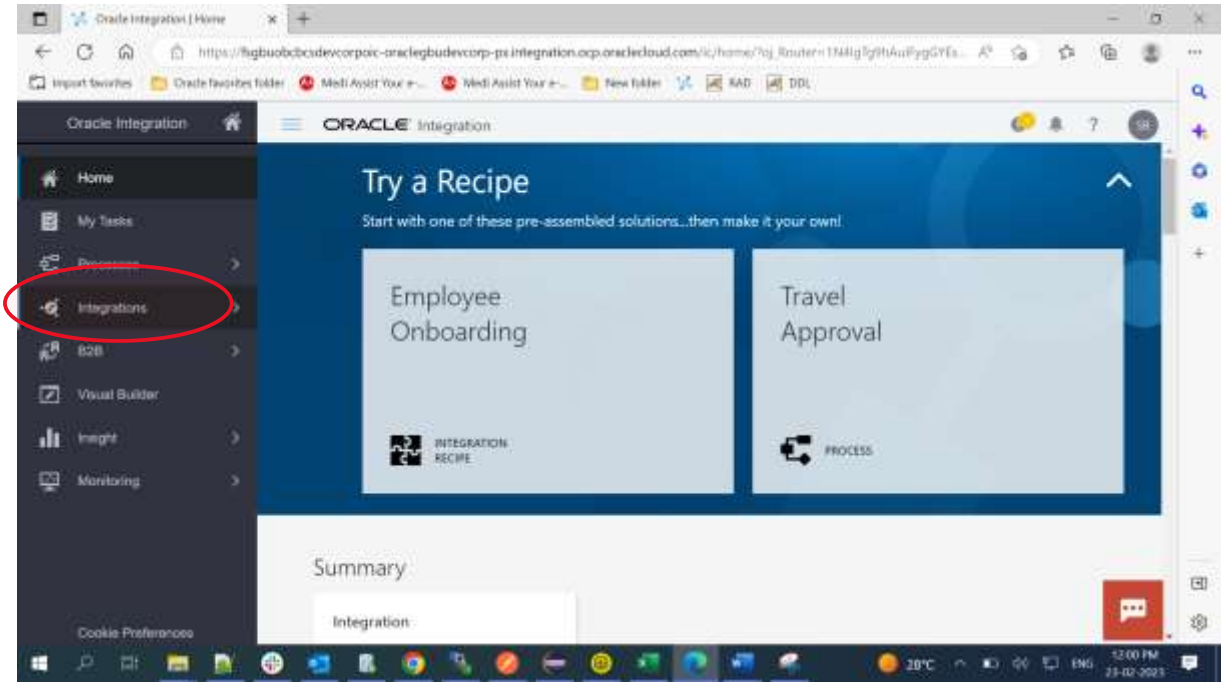
Enter the following information, then click Create.

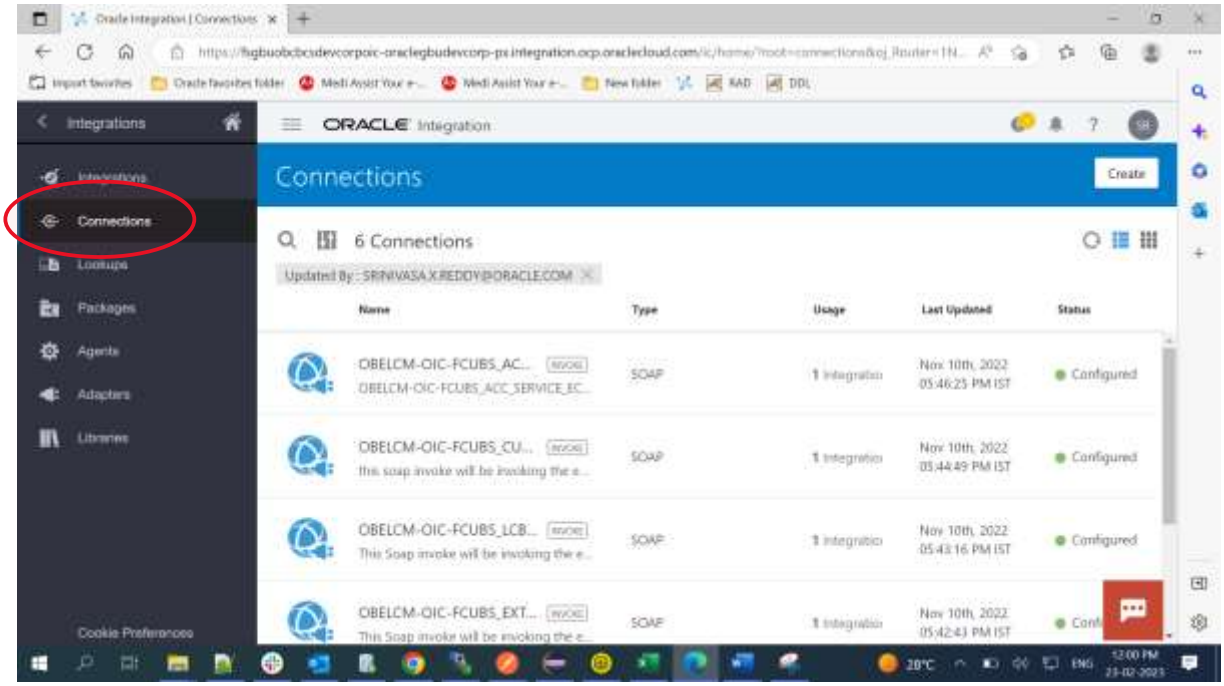


2. Target Connection: SOAP Adapter Connection with role "Invoke" - Required to configure the SOAP Webservices WSDL

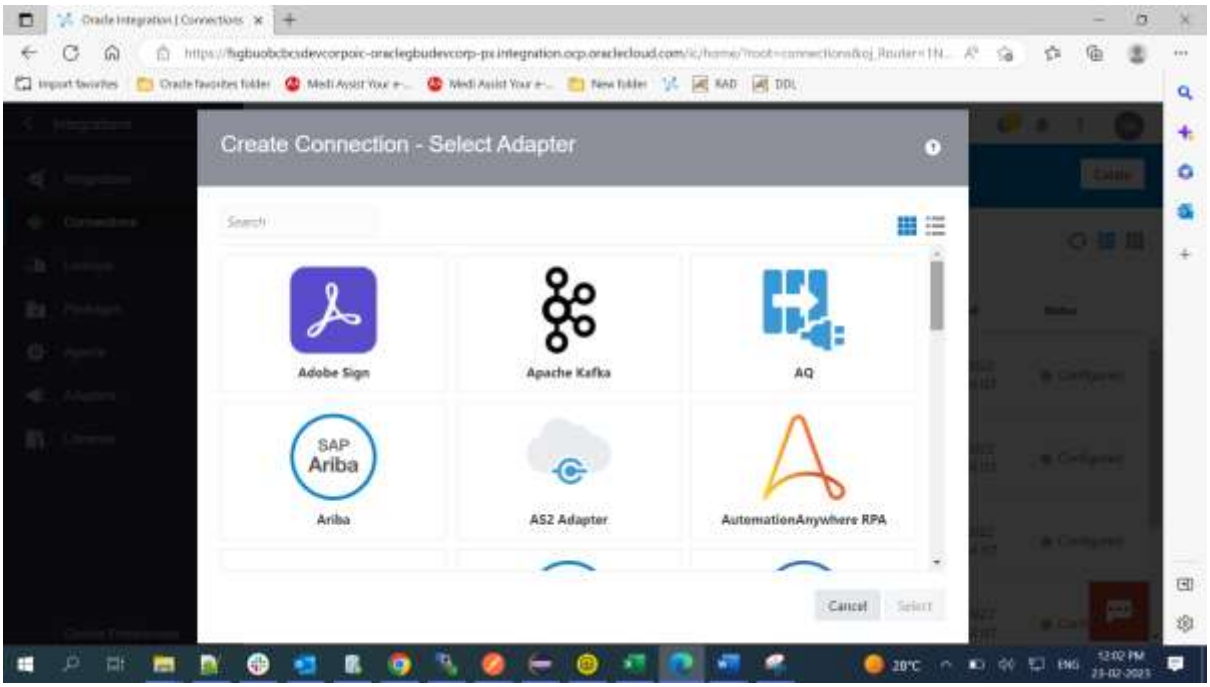
To create a Connection in Oracle Integration:

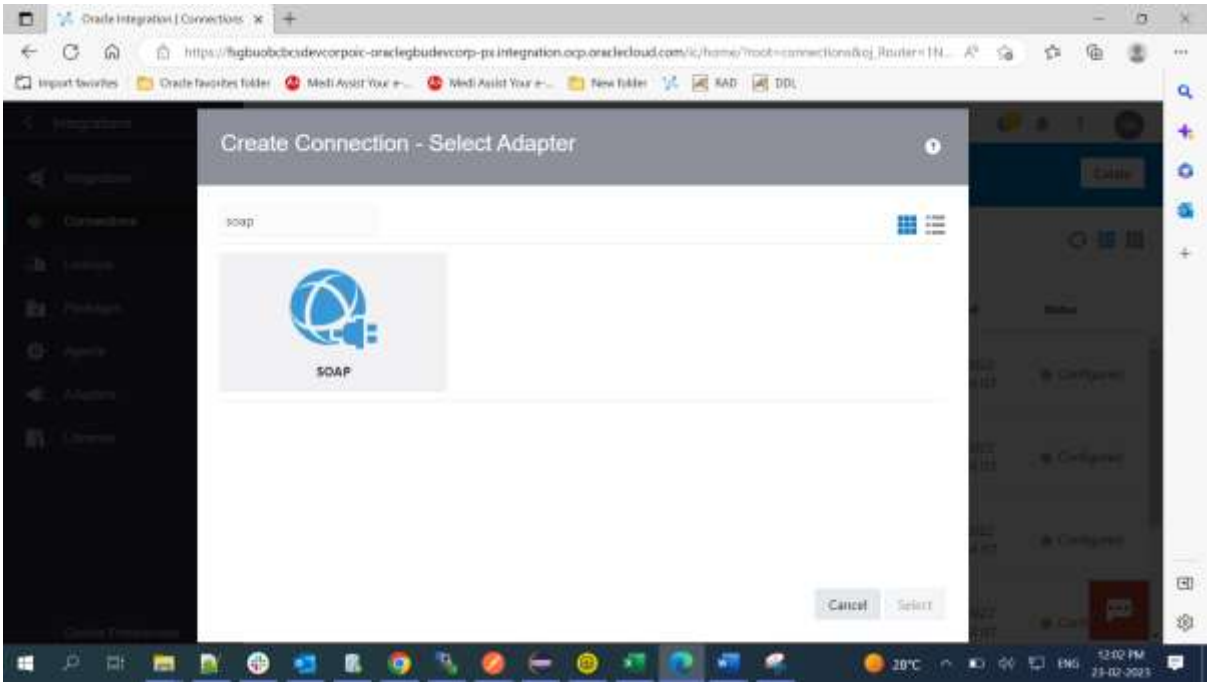
1) In the left navigation pane, click on Navigation Menu > Integrations > Connections.



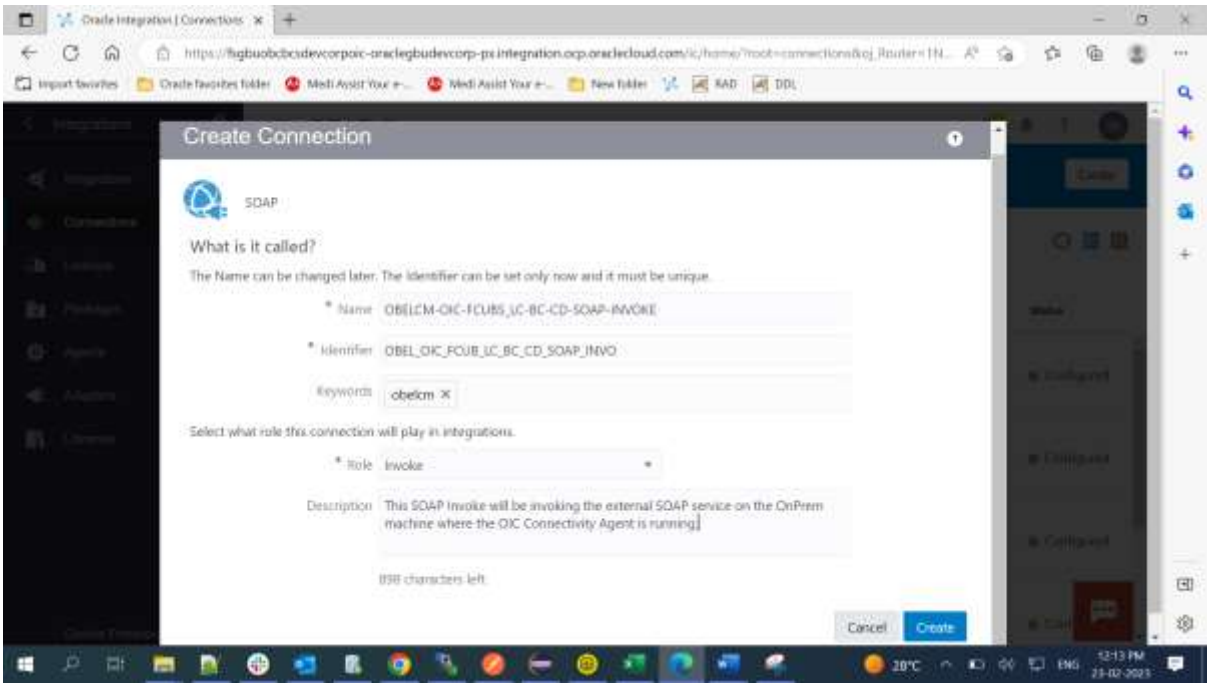


2) Click Create → type SOAP in the Search box and select the SOAP adapter and click the Select button

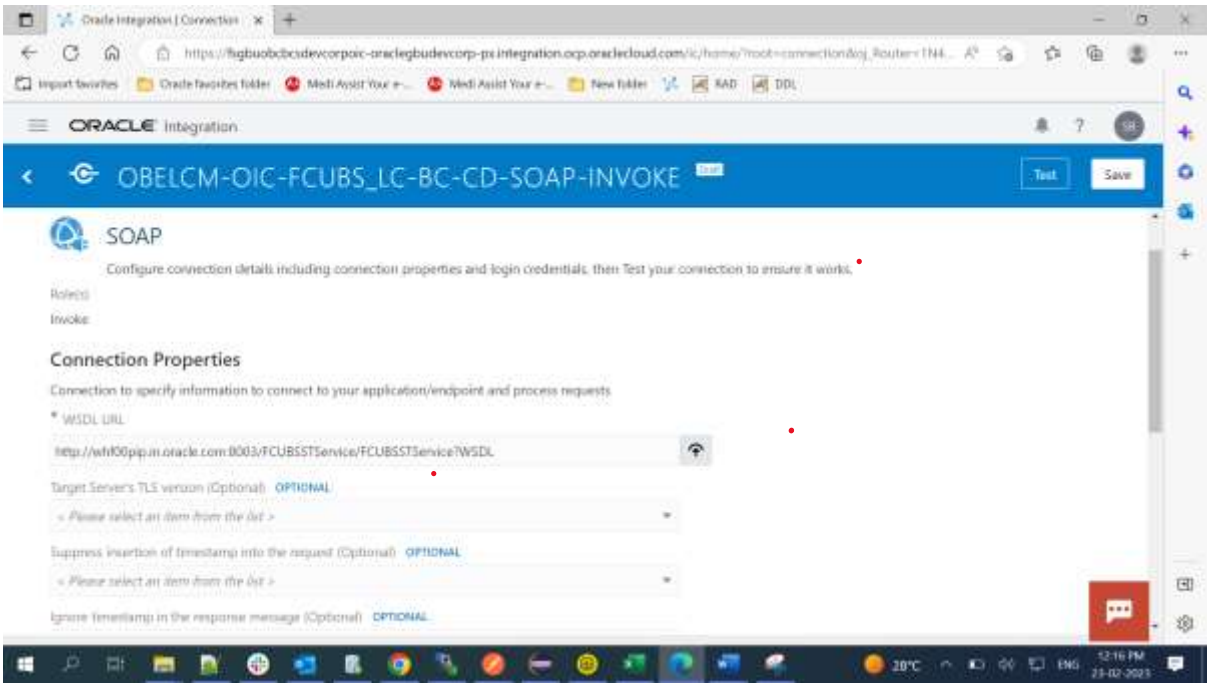


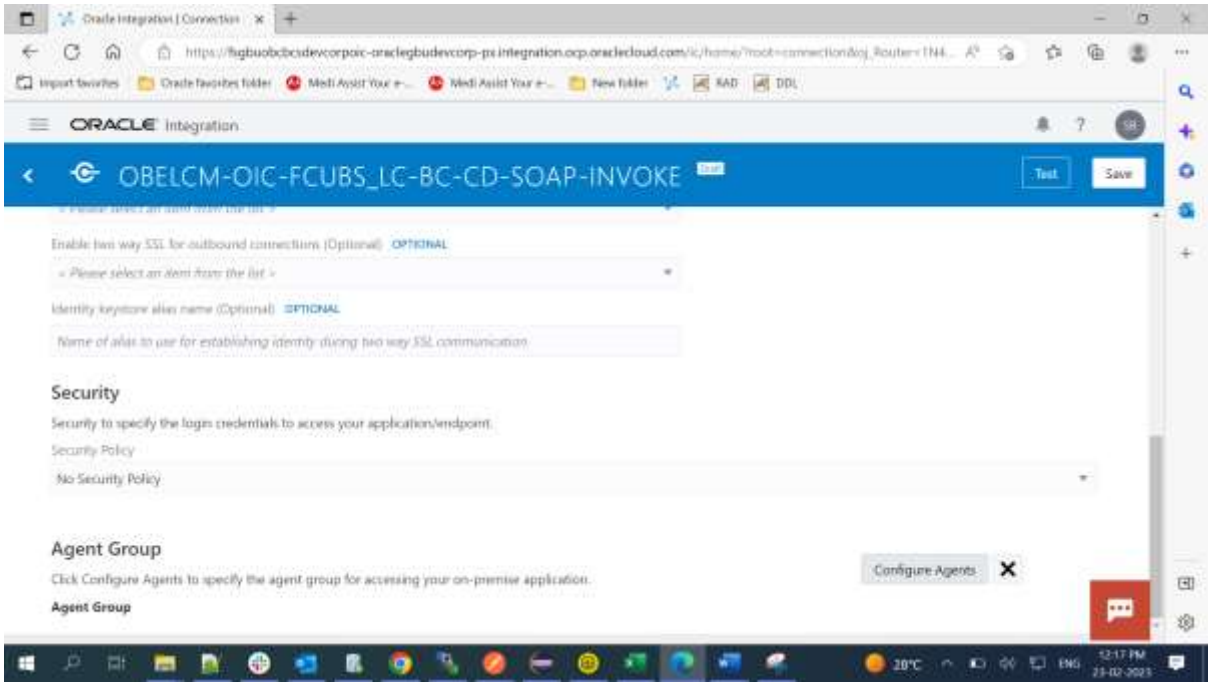


3) In the Create Connection dialog, enter the information that describes this connection and Click Create.



Configure Connection Properties for Invoke Connections and also Configure Connection Security as **No Security Policy**



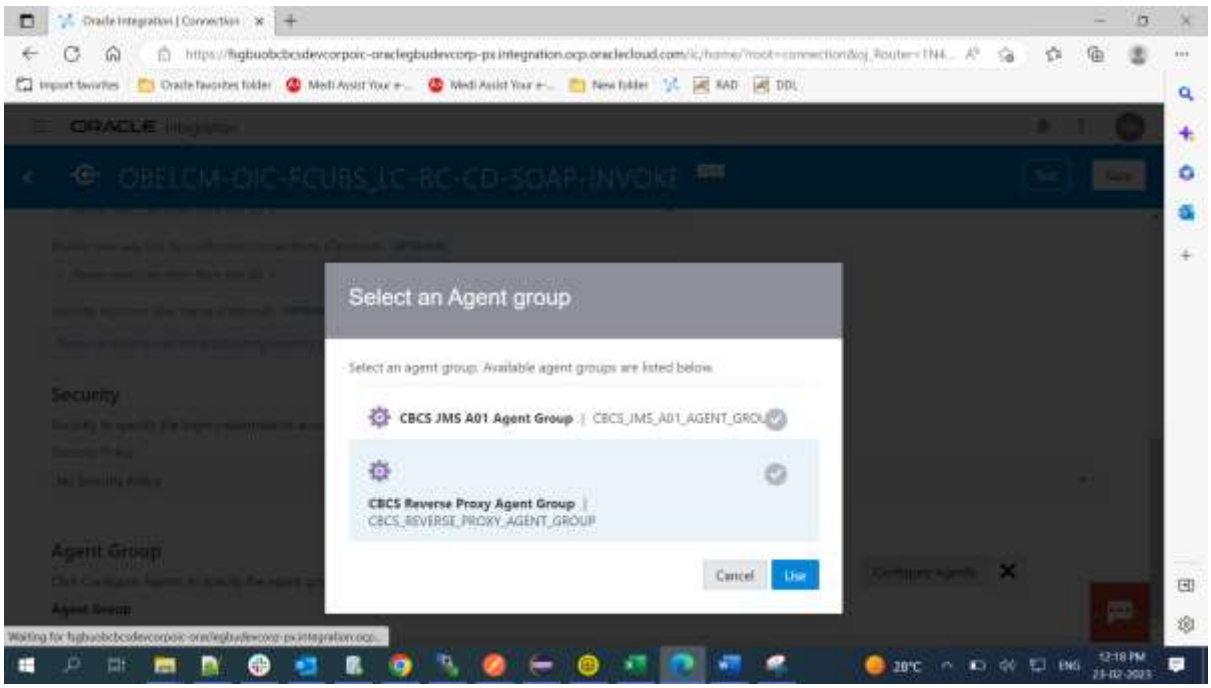


4) WSDL for the Connection:
http://100.76.154.176:7001/FCUBSSTService/FCUBSSTService?WSDL

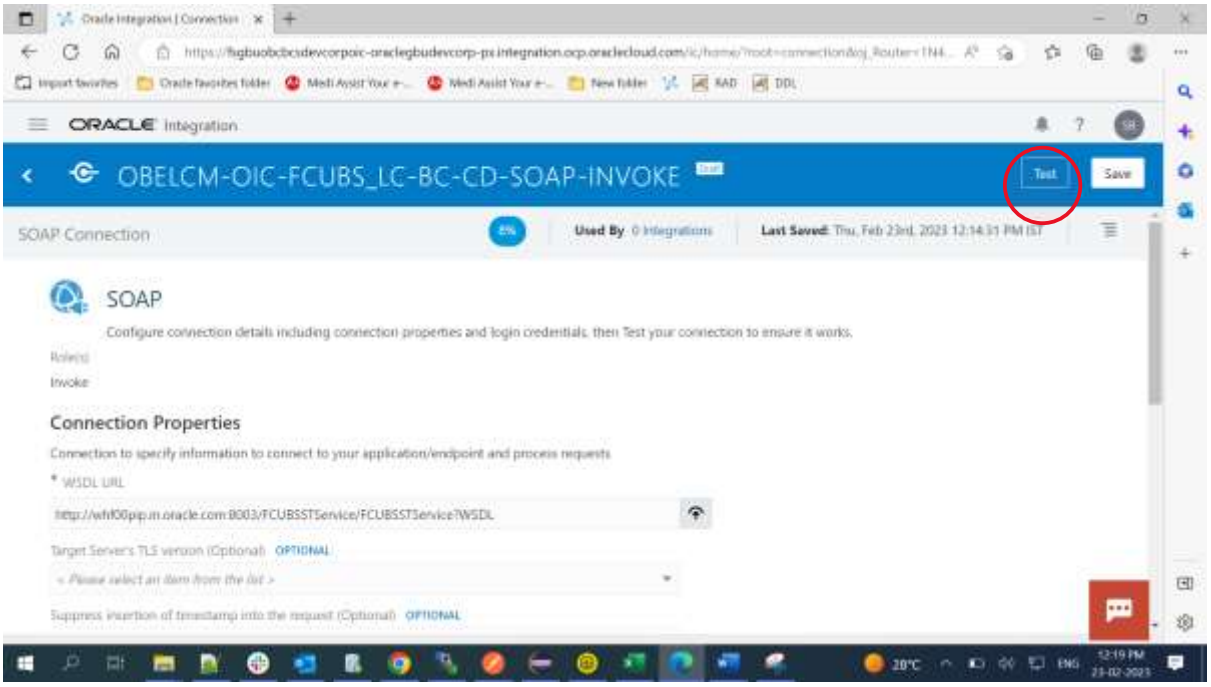
5) Configure an Agent Group

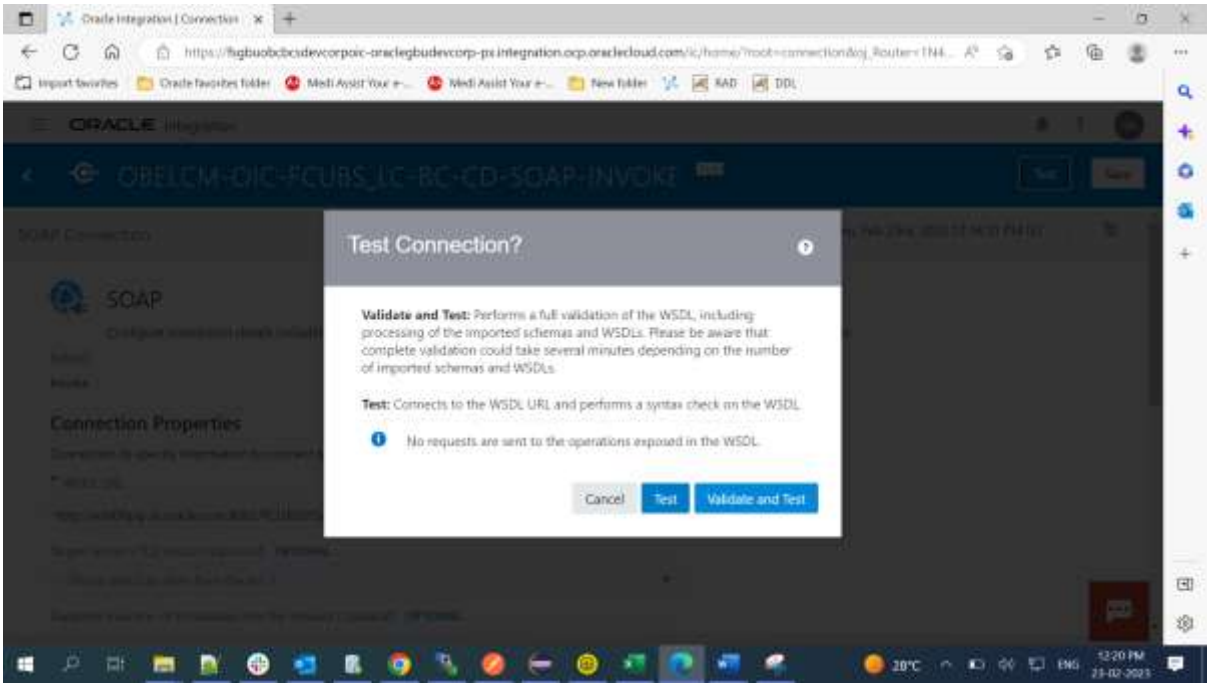
Configure an agent group for accessing the service hosted on your premises behind the fire wall.

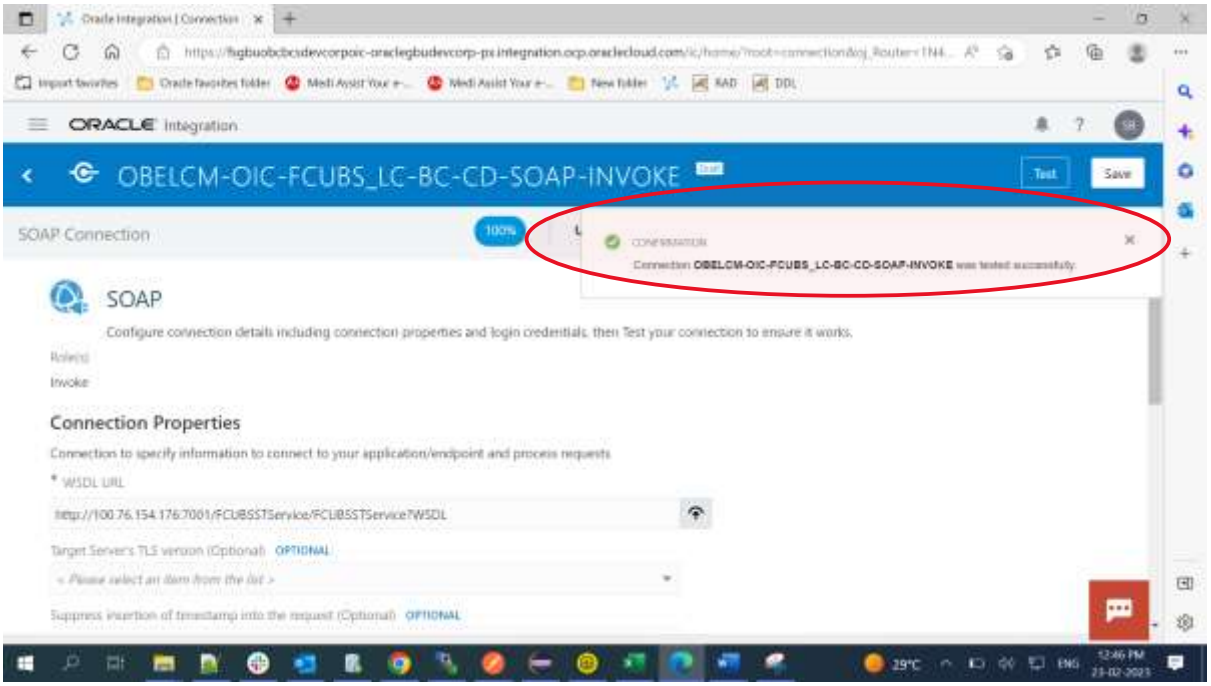
a) Click Configure Agents.
b) The Select an Agent Group page appears.
c) Click the name of the agent group. Click Use.



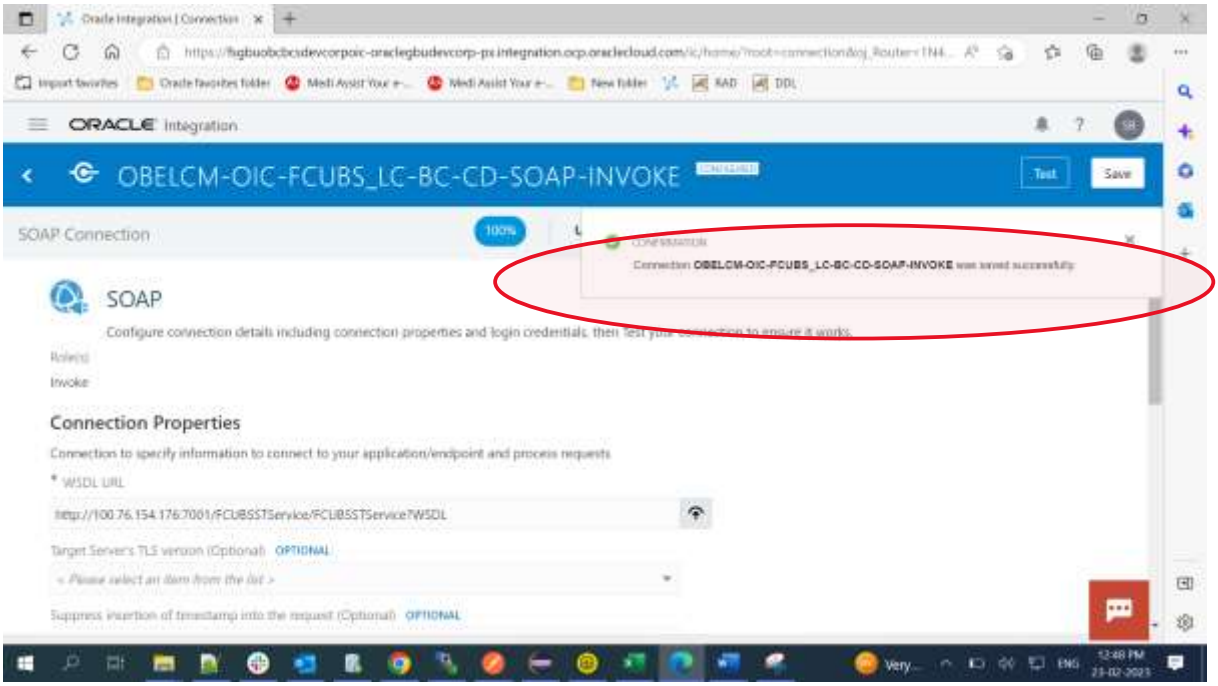
6) **Validate and Test** the Connection



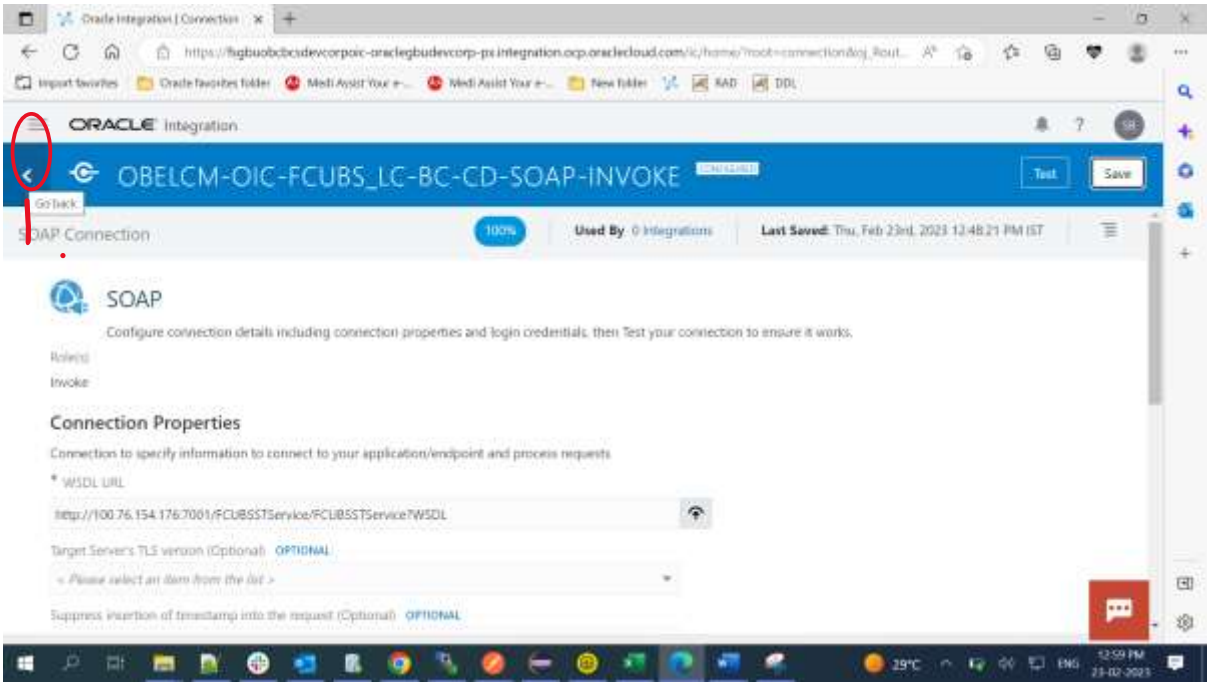




7) Save the Connection after Test is successful



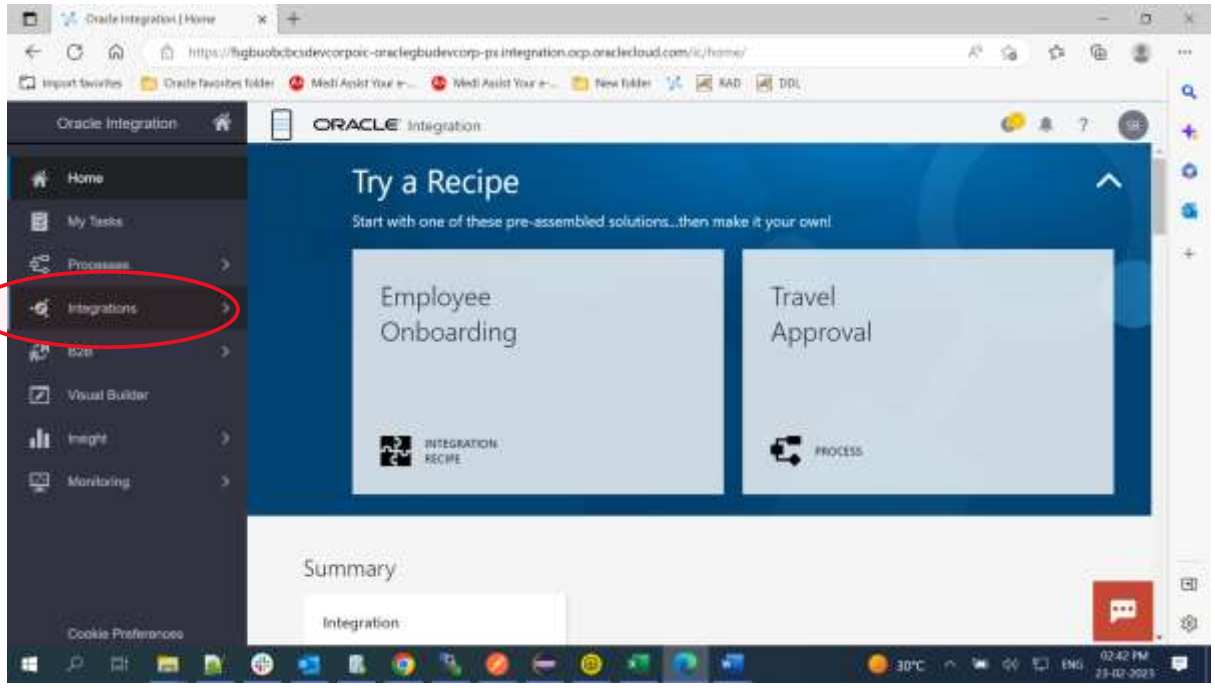
8) When complete, click Save, then click the Back button.

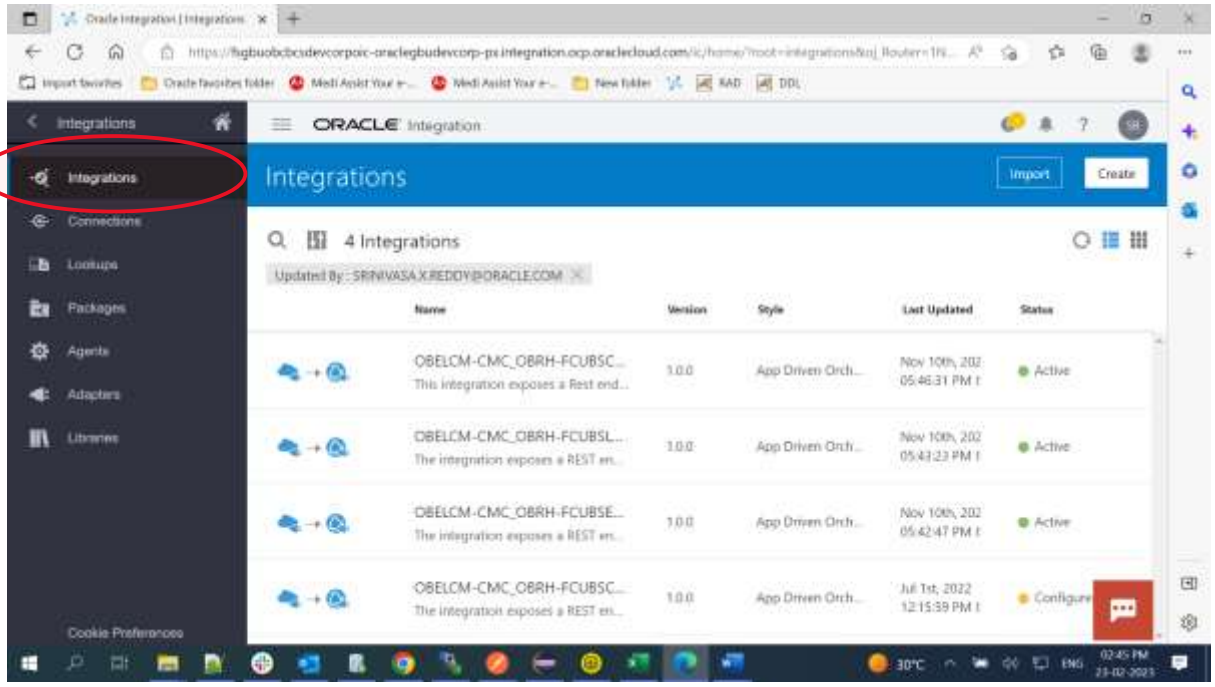


3. Configure App Driven Orchestration Integration Style for Integrating the OnPrem SOAP Services in OIC.

To create an Integration

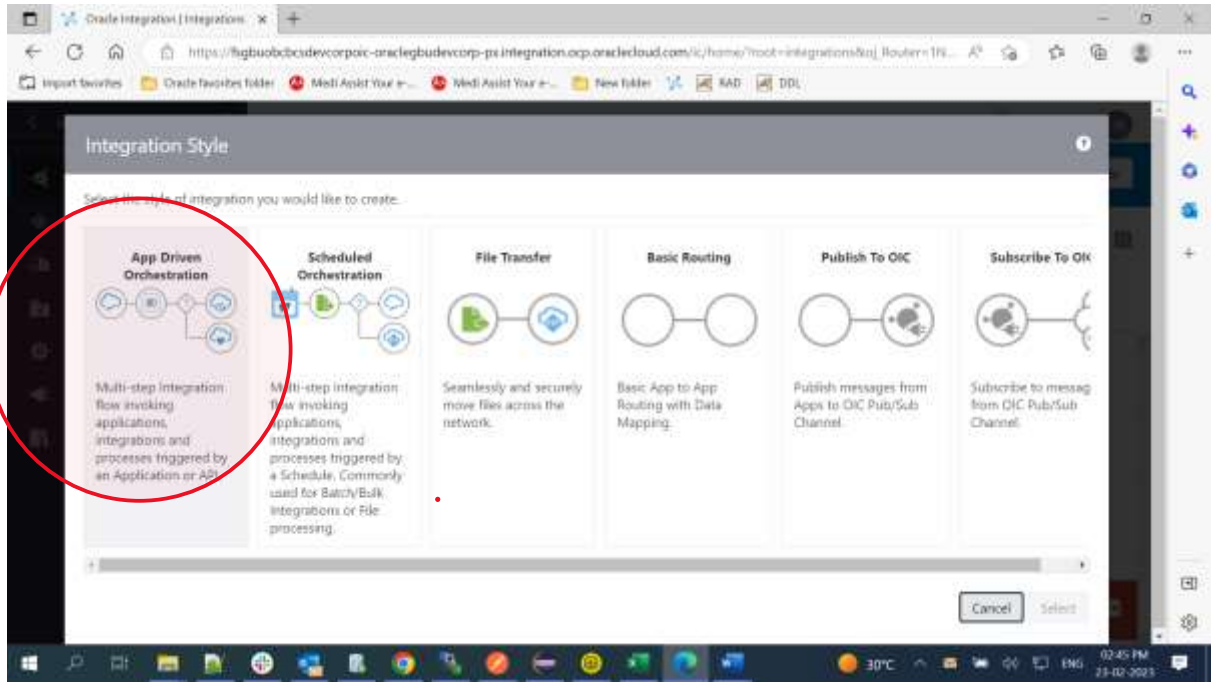
1) In the left navigation pane, click on Navigation Menu > Integrations > Connections



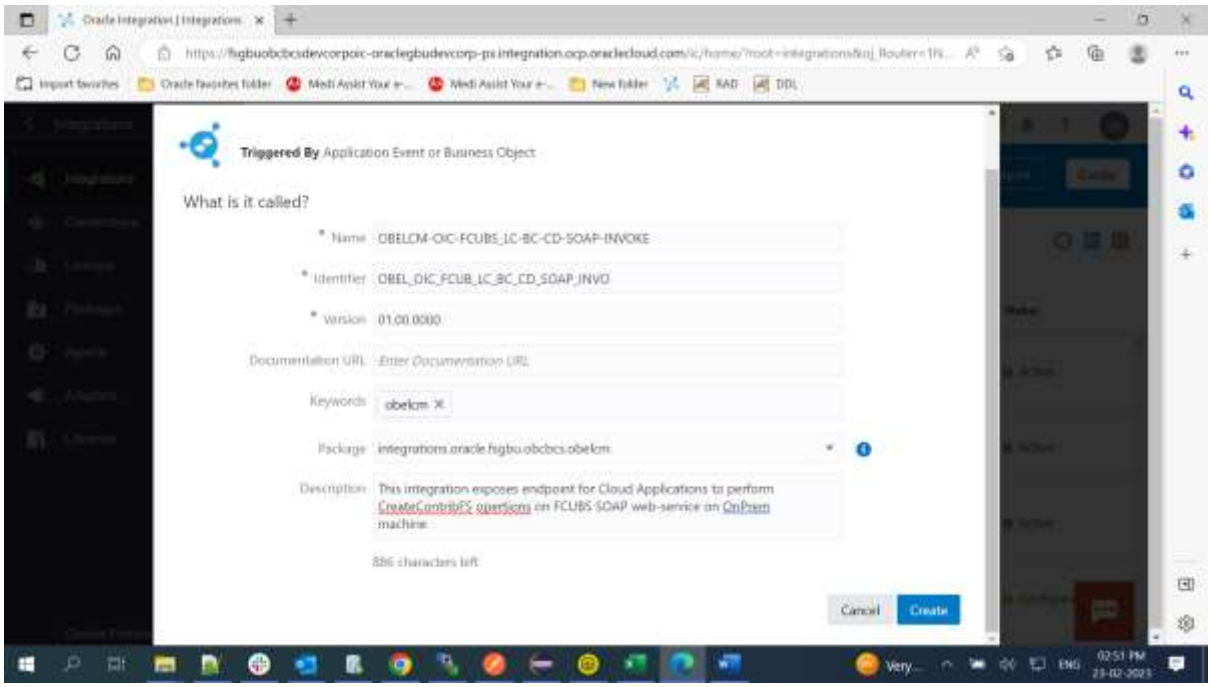


2) On the Integrations page, click Create.

Select the **App Driven Orchestration** type of integration style and click Select

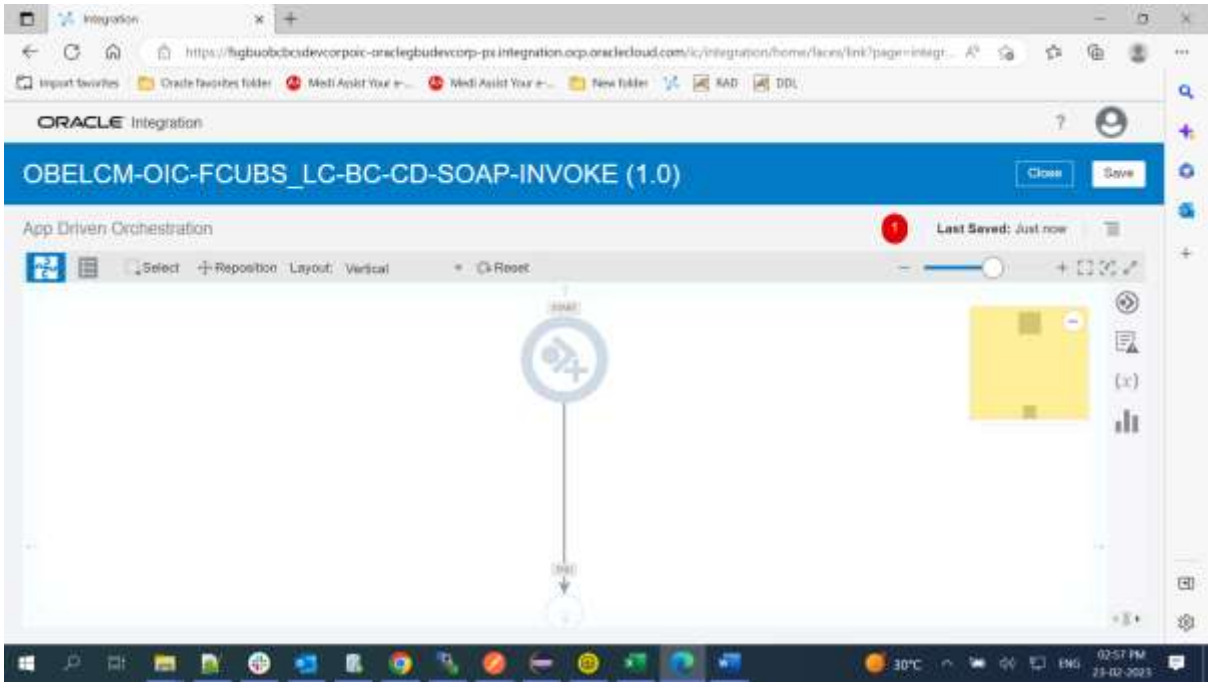


3) Enter the following information



4) Click Create

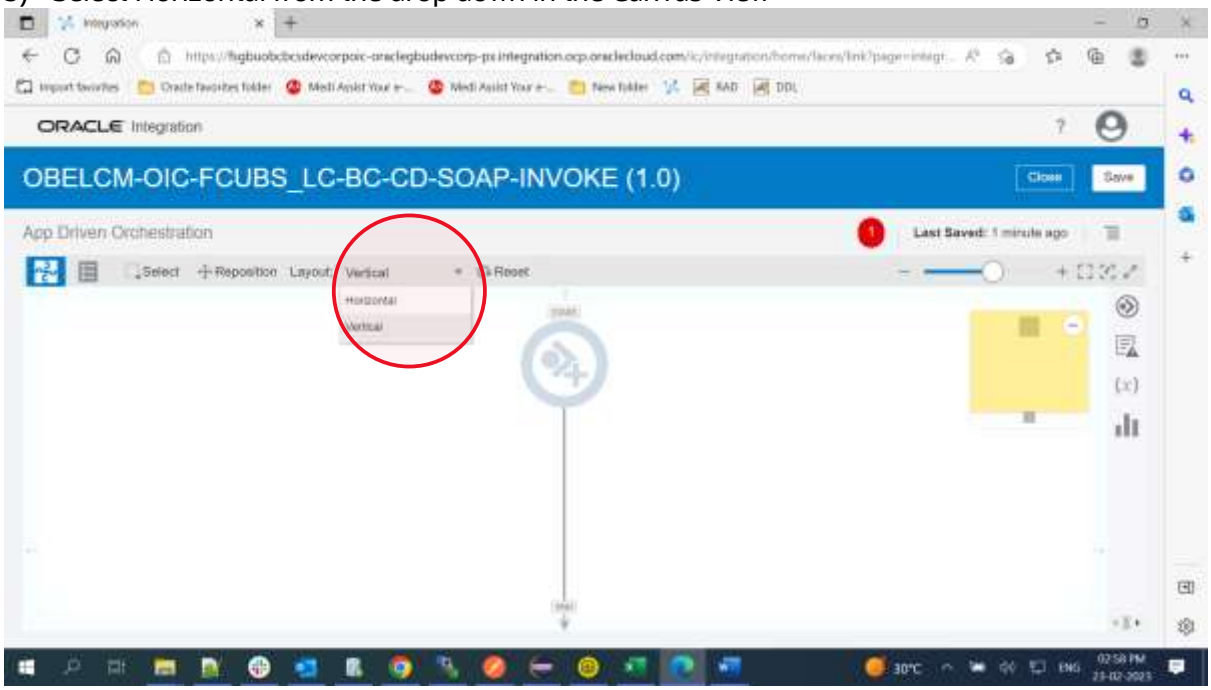
An empty integration canvas with the following sections is displayed



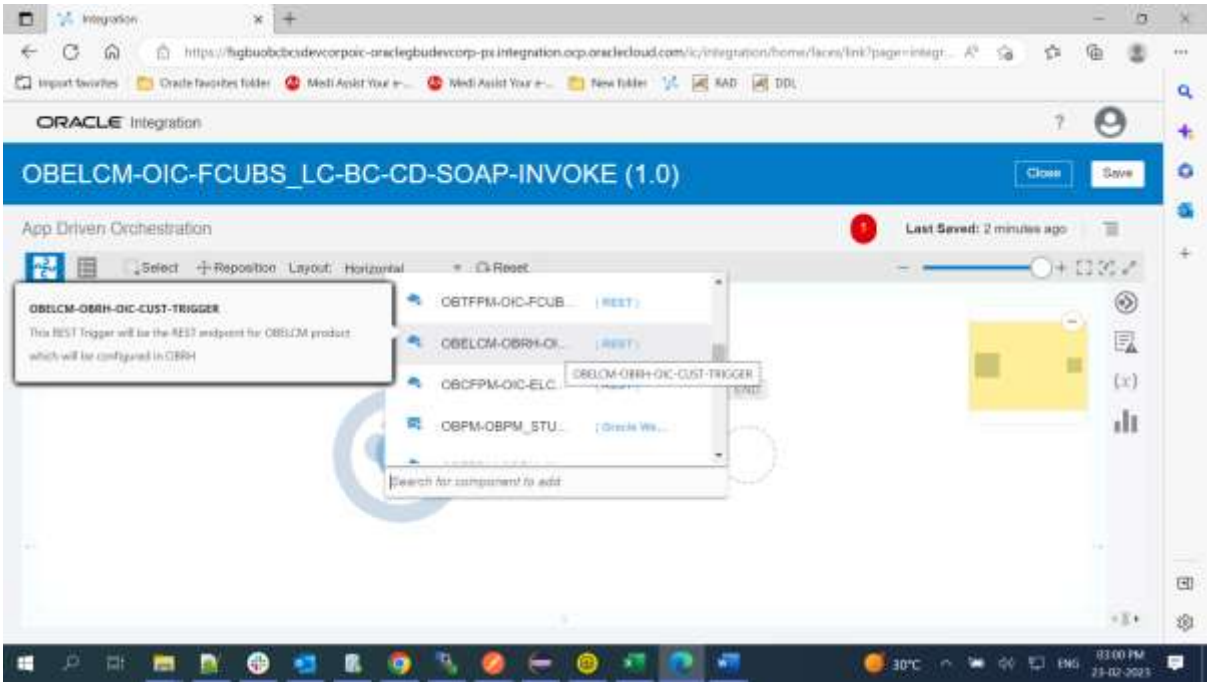
4. Create Integration and configure below steps

a. Source Trigger Configuration

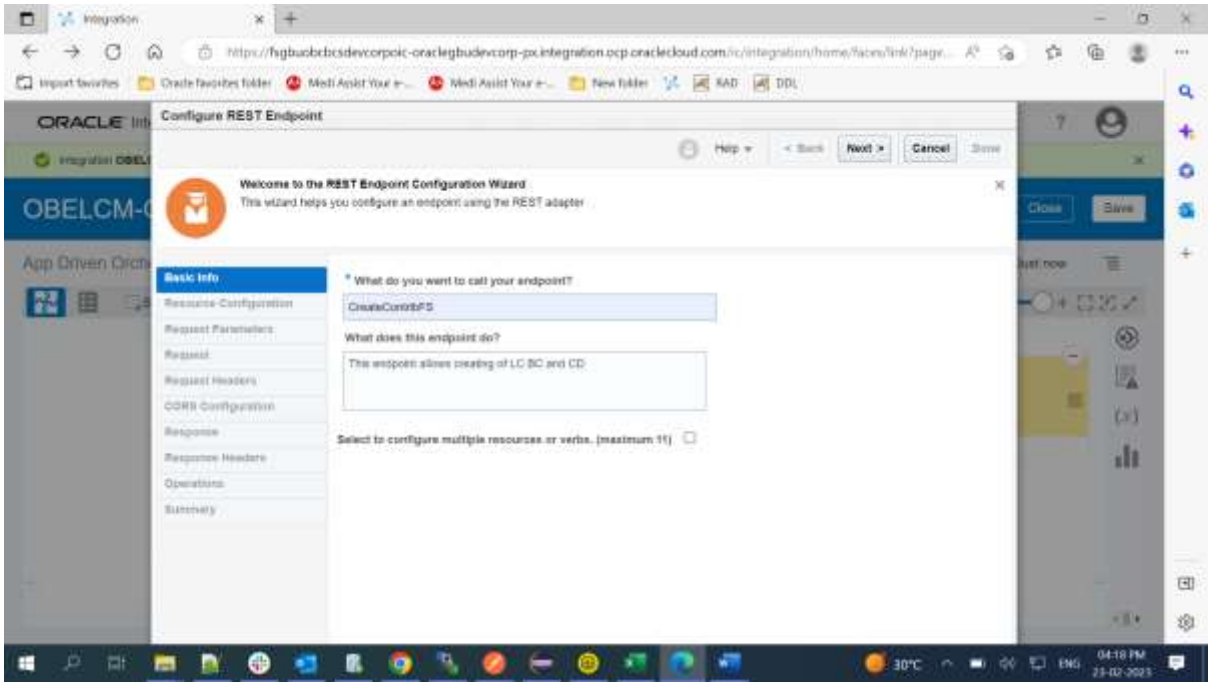
5) Select Horizontal from the drop down in the Canvas View



6) Click on + button and select trigger connection "**OBELCM-OBRH-OIC-CUST-TRIGGER**" created

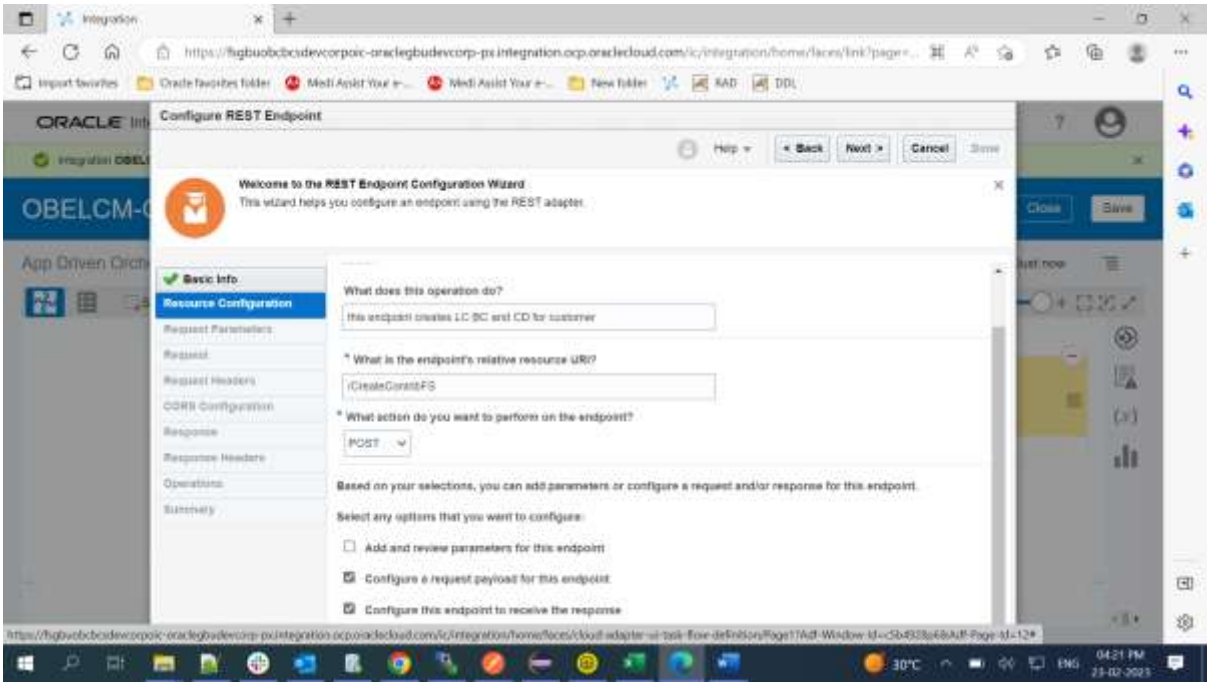


7) In ***Configure Rest Endpoint → Basic Info*** wizard, Enter Name for the endpoint and what the endpoint does then click Next

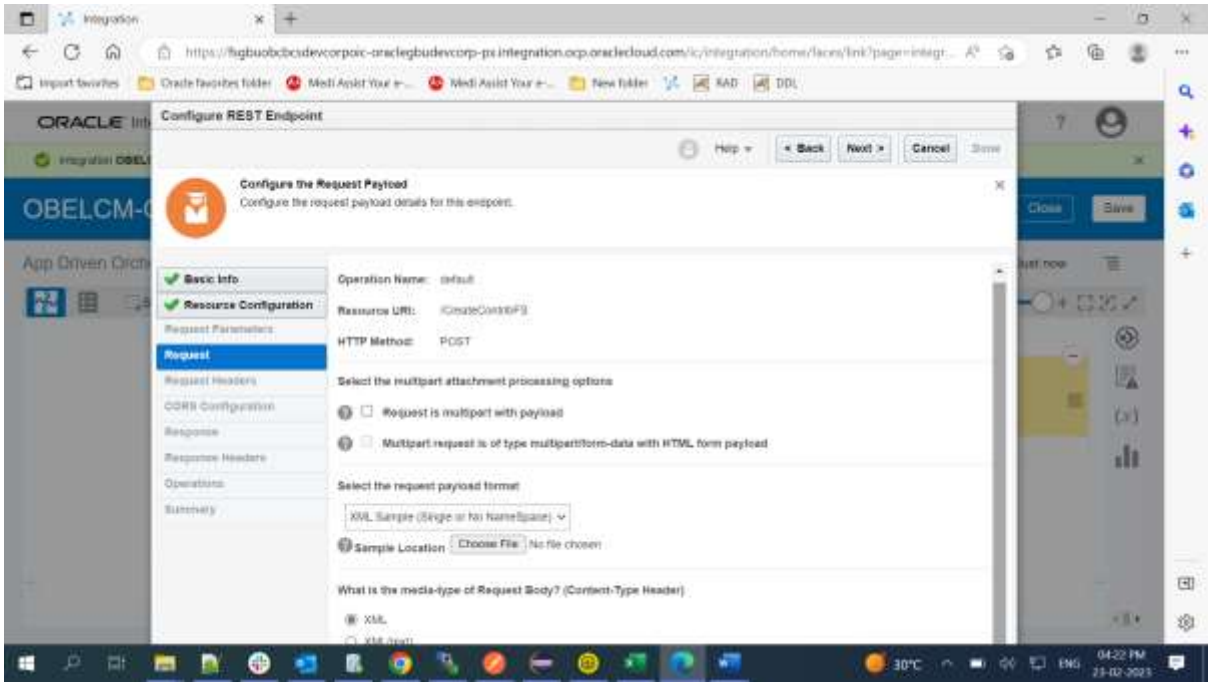


*Note: If you have multiple resources to be configured in the same integration, then you check the select box for "**Select to configure multiple resources or verbs (maximum 11)**"*

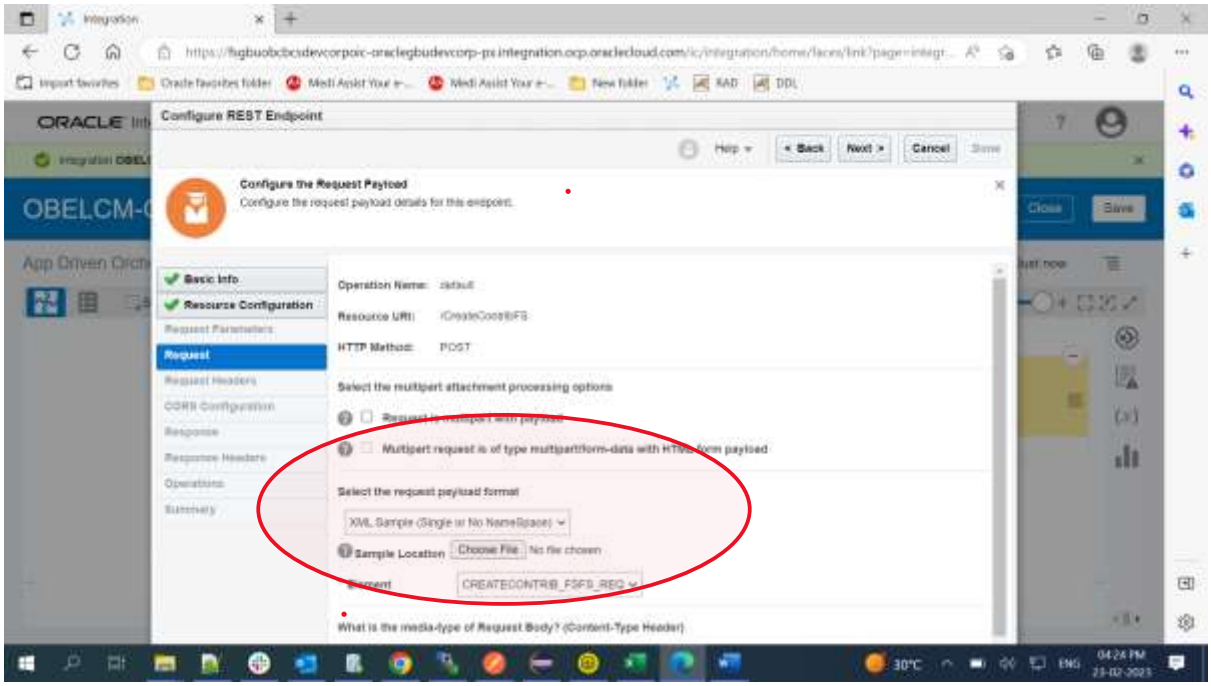
8) In ***Configure Rest Endpoint → Resource Configuration*** wizard, Enter the details as given below and click Next



9) In ***Configure Rest Endpoint → Request*** wizard, Select Details as shown below



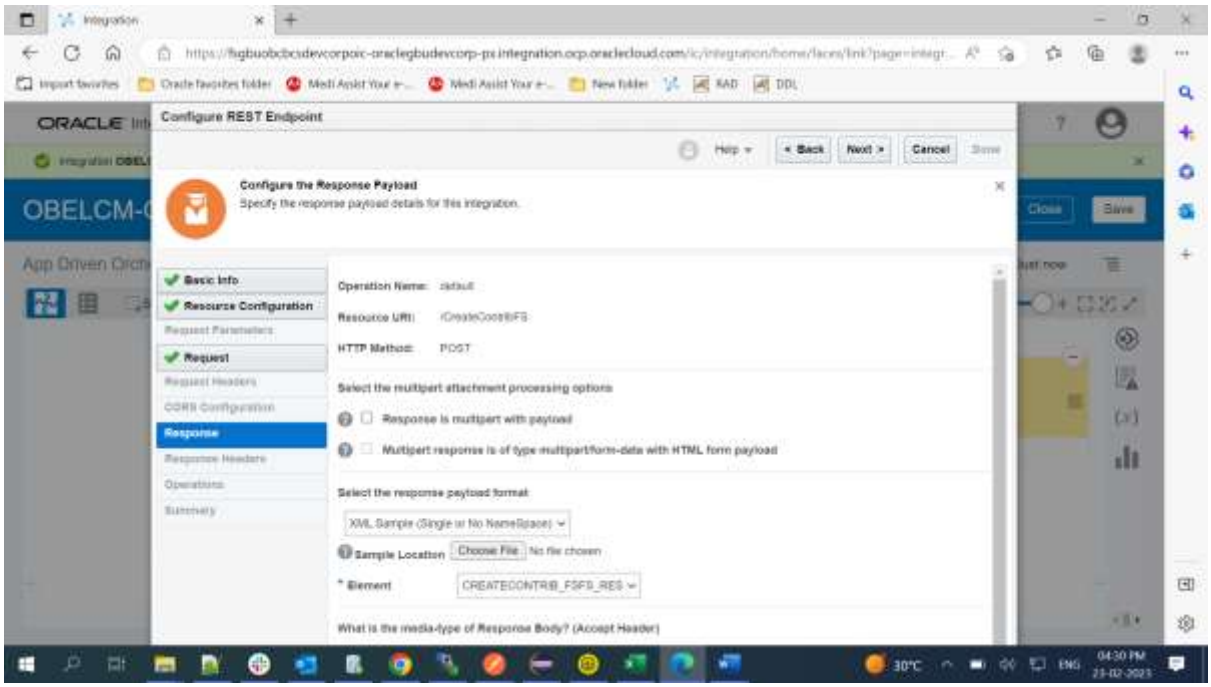
click Choose File, **select File and Open the request.xml** for this operation then click **ok** and **click Next**

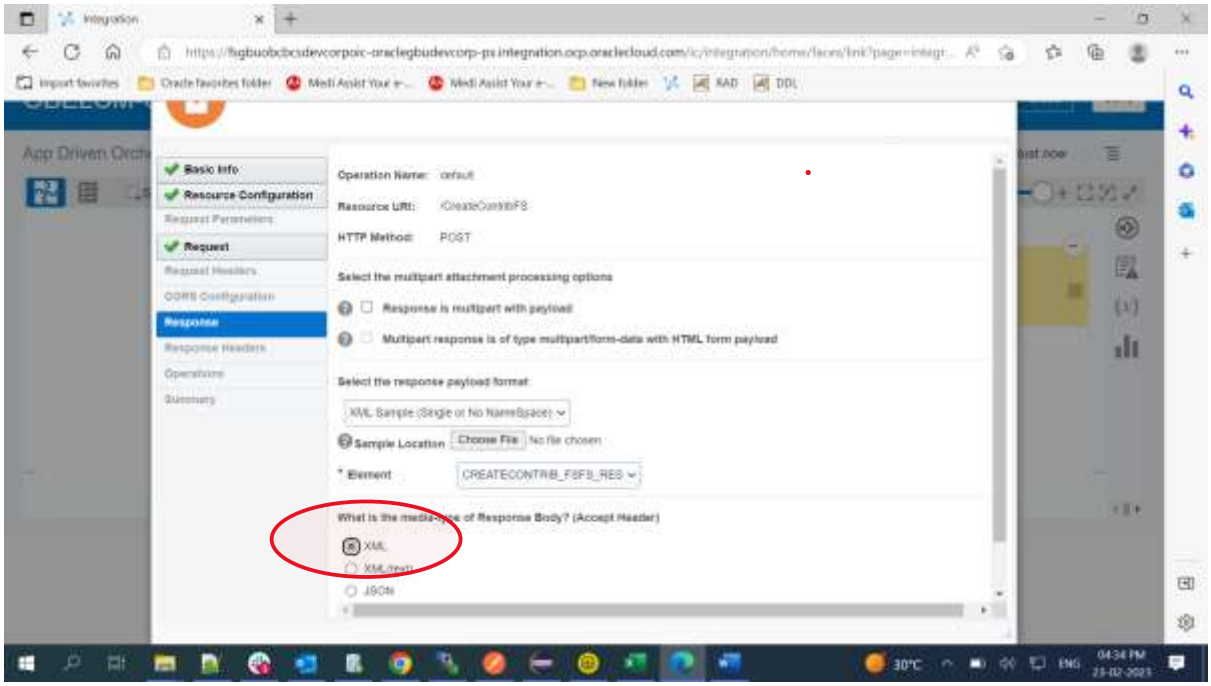


Request xml format

BCLCCD\BC_LC_CD_BLK_REQ.xml

10) In ***Configure Rest Endpoint → Response*** wizard, Select Details as shown below



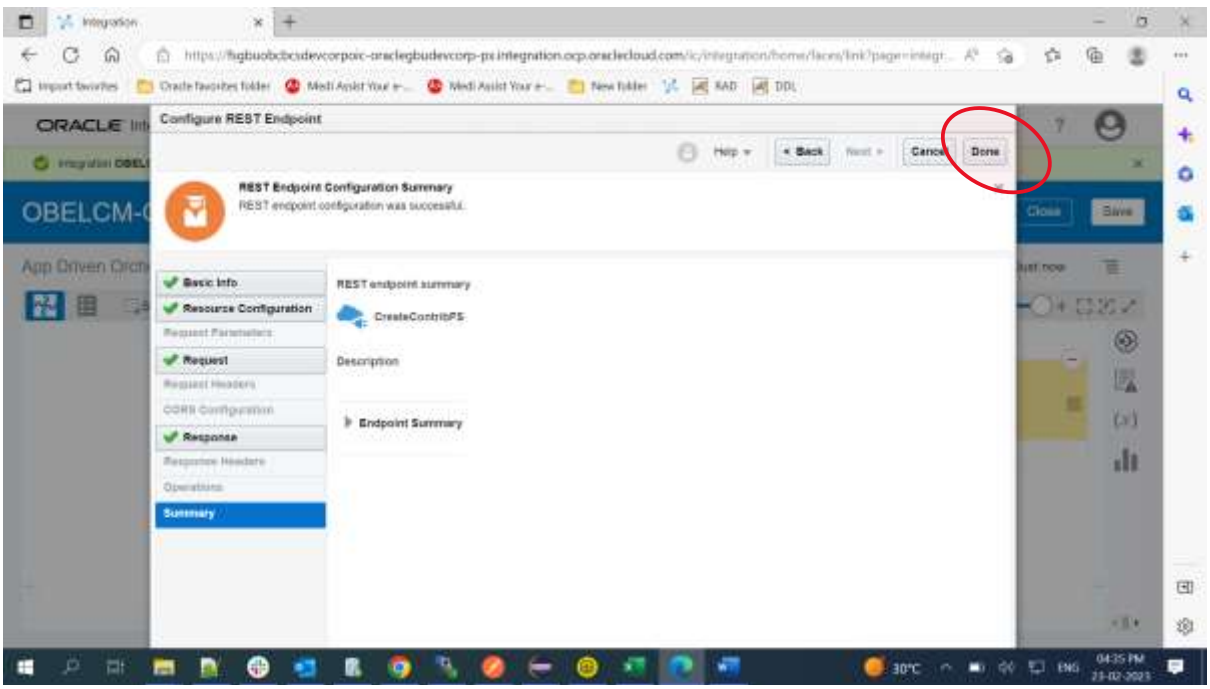


click Choose File, select File and Open the response.xml for this operation then click ok and click Next

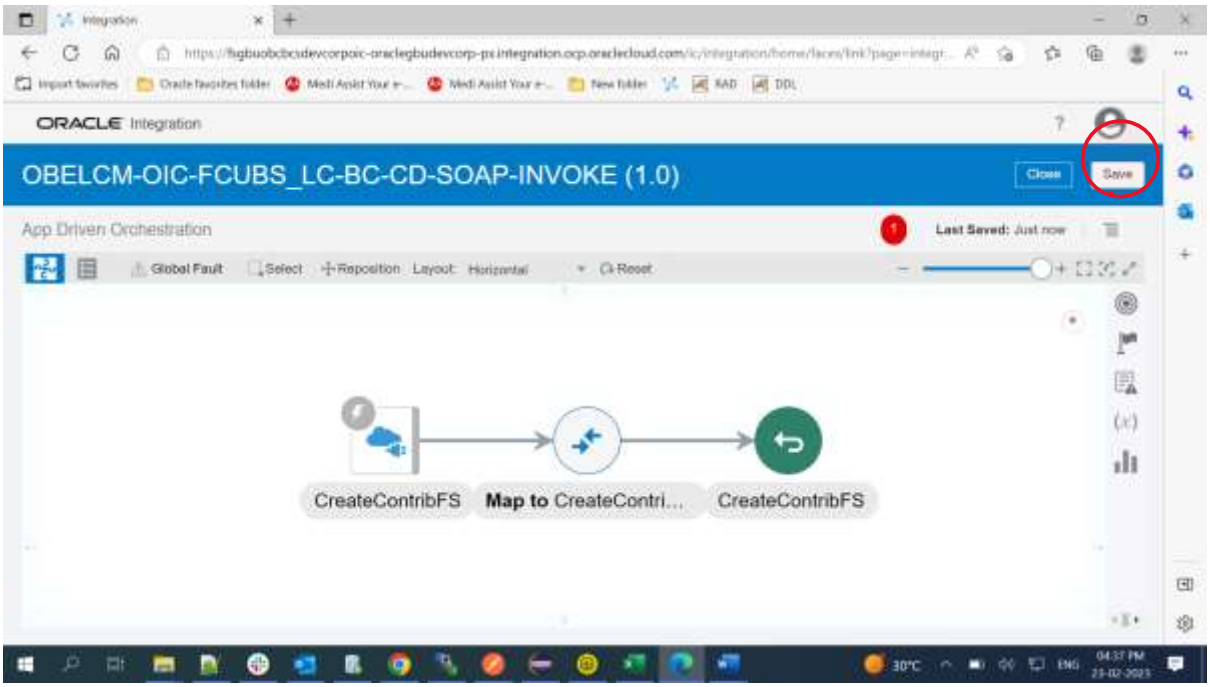
Response xml format

BCLCCD\BC_LC_CD_BLK_RESP.xml

11) In ***Configure Rest Endpoint → Summary*** wizard, Click Done

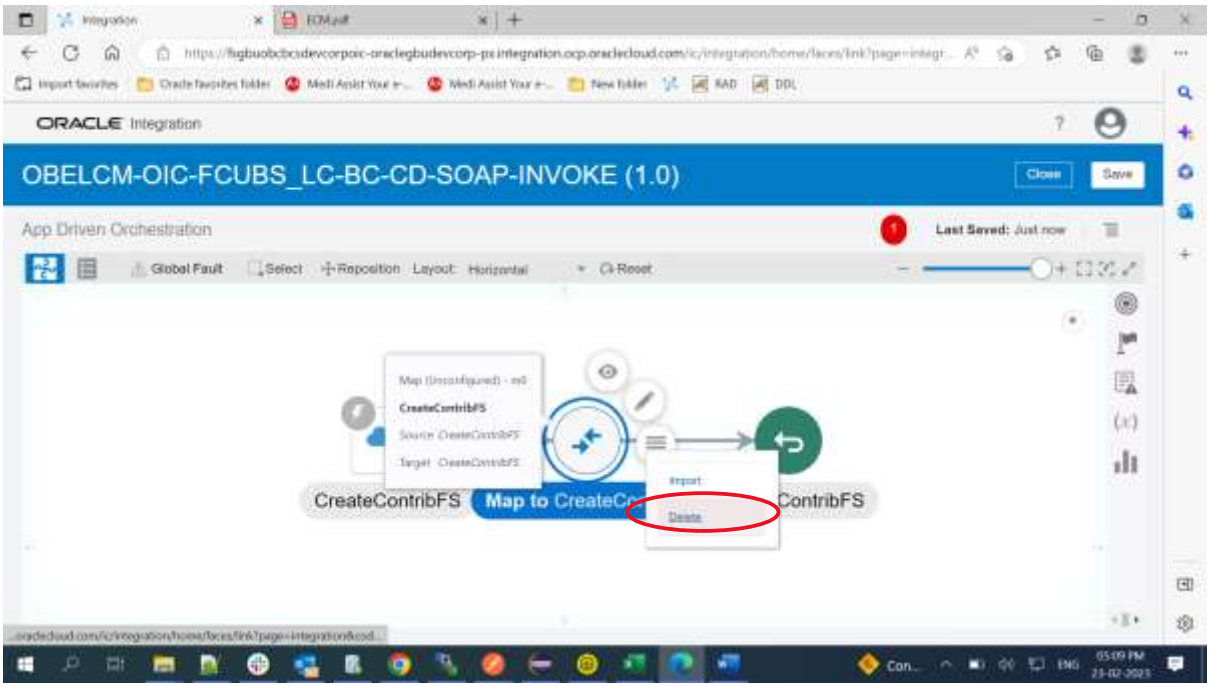


12) Trigger Connection setup completed in integration, you should see below Canvas screen - click Save



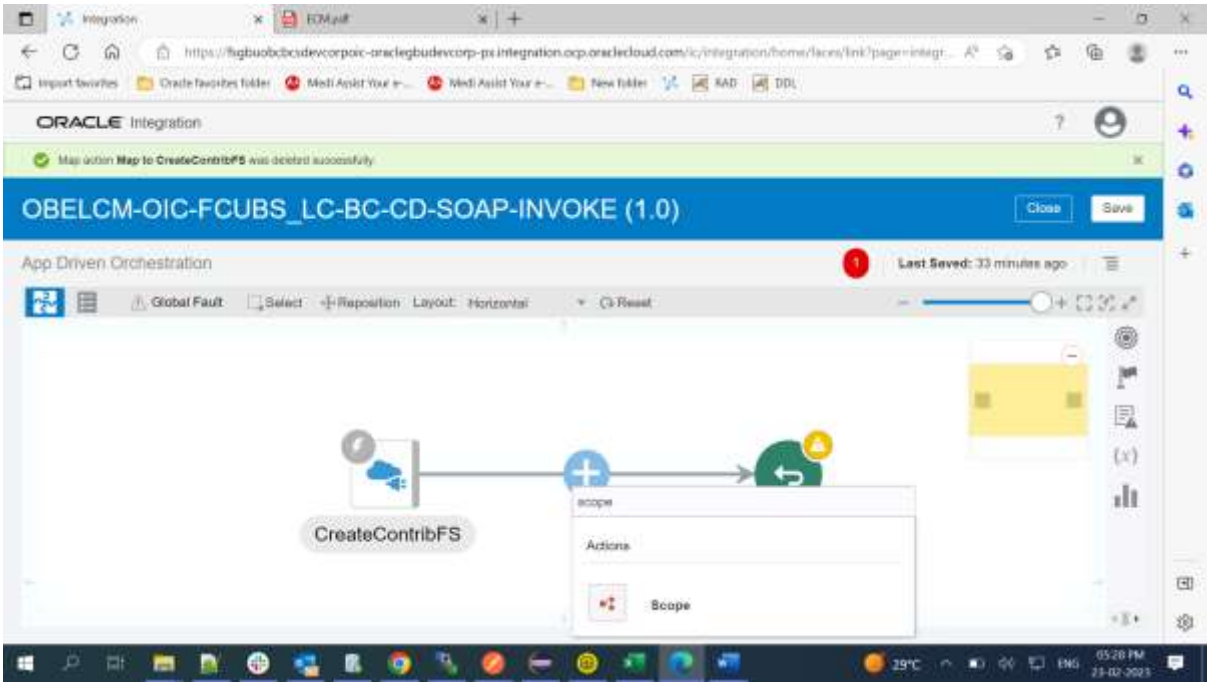
b. Add Scope Configuration

13) Delete Map to CreateContribFS, select the Map → click on More Actions Button → click Delete

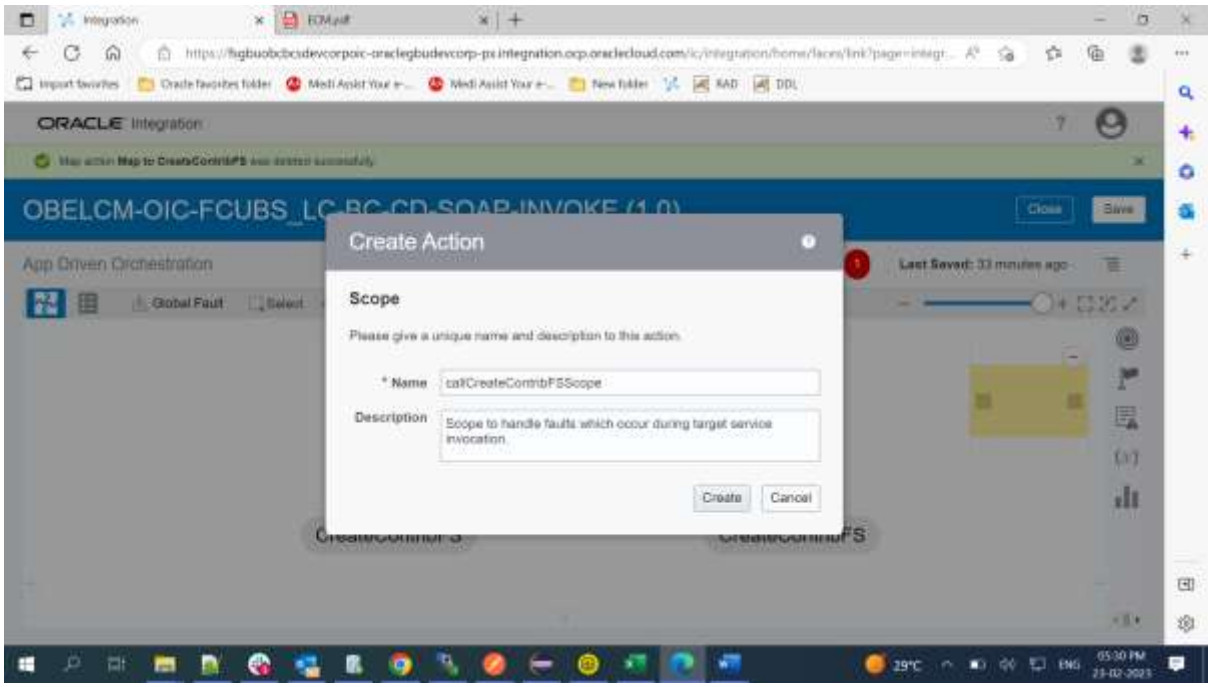


14) Click Save

15) Hover the mouse on the arrow as shown below, click + and search for Scope and Click on Scope component.

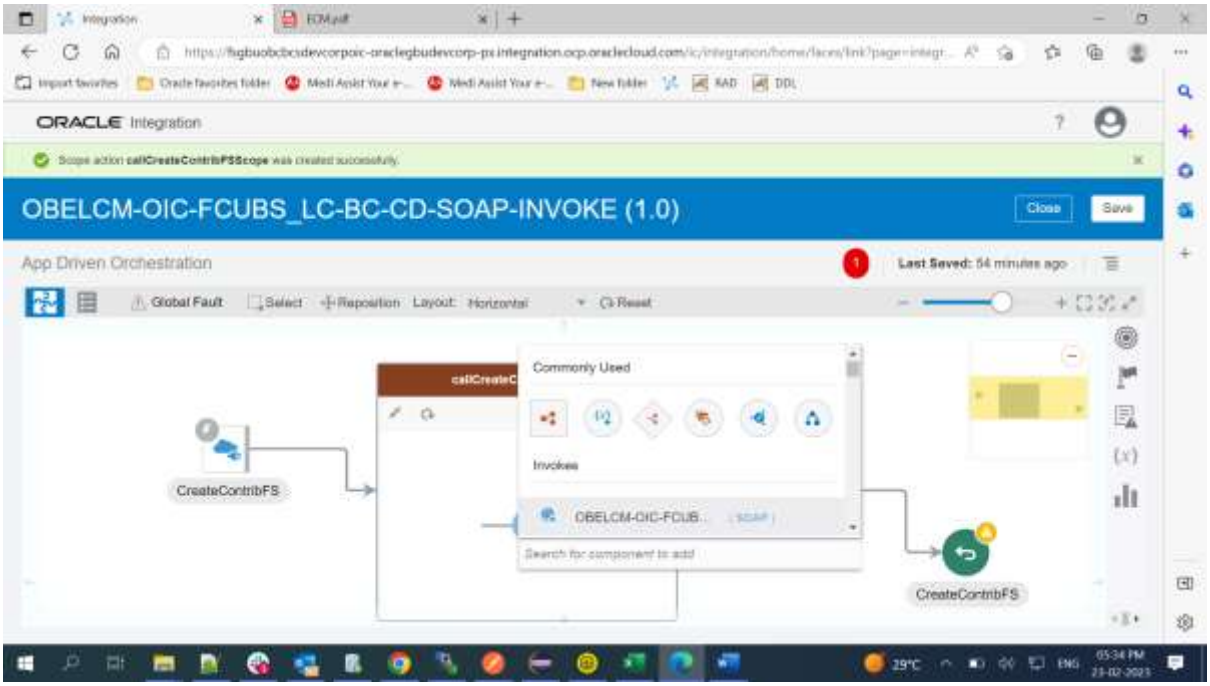


16) Enter the Following details for Scope and click **Create**

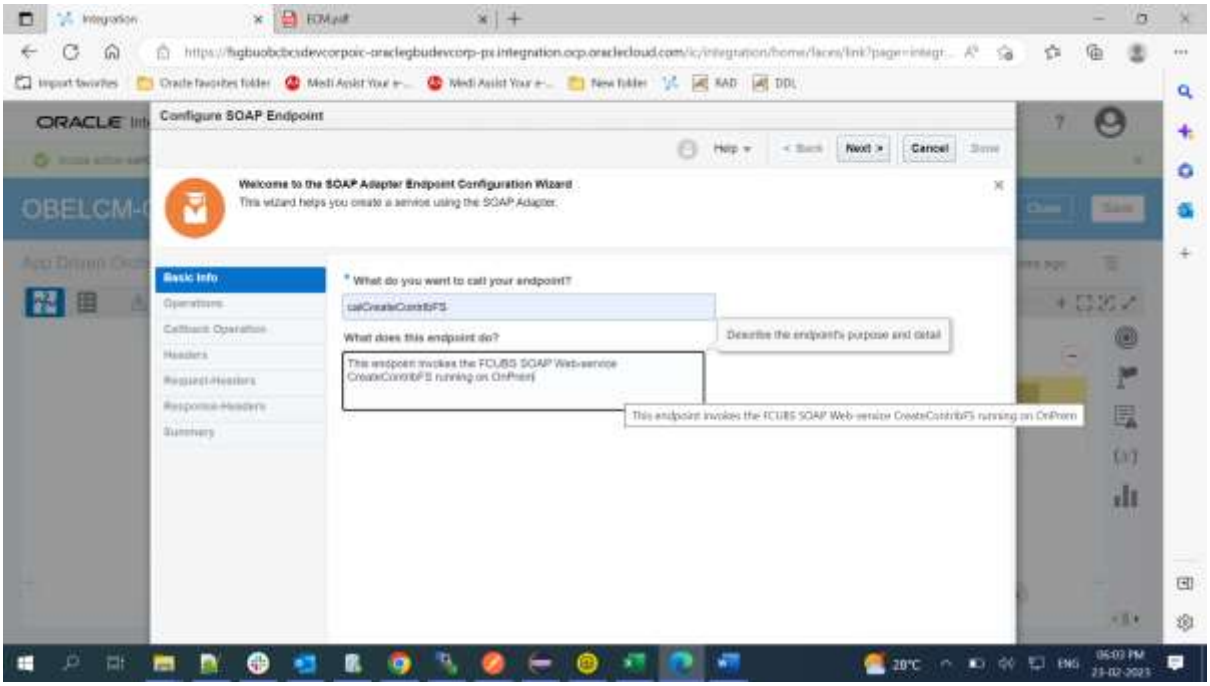


c. Target Invoke Configuration

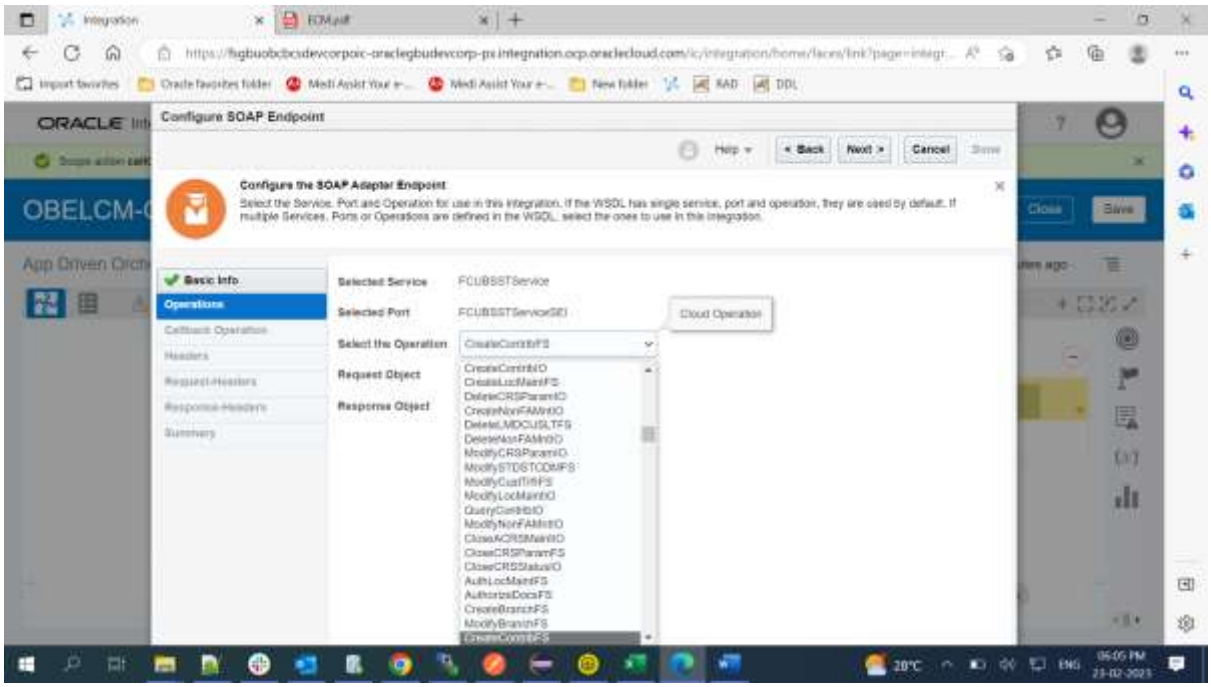
17) Click + button which is inside the callCreateContribFSScope and search for Invoke connection "OBELCM-OIC-FCUBS_LC-BC-CD -SOAP-INVOKE" created earlier

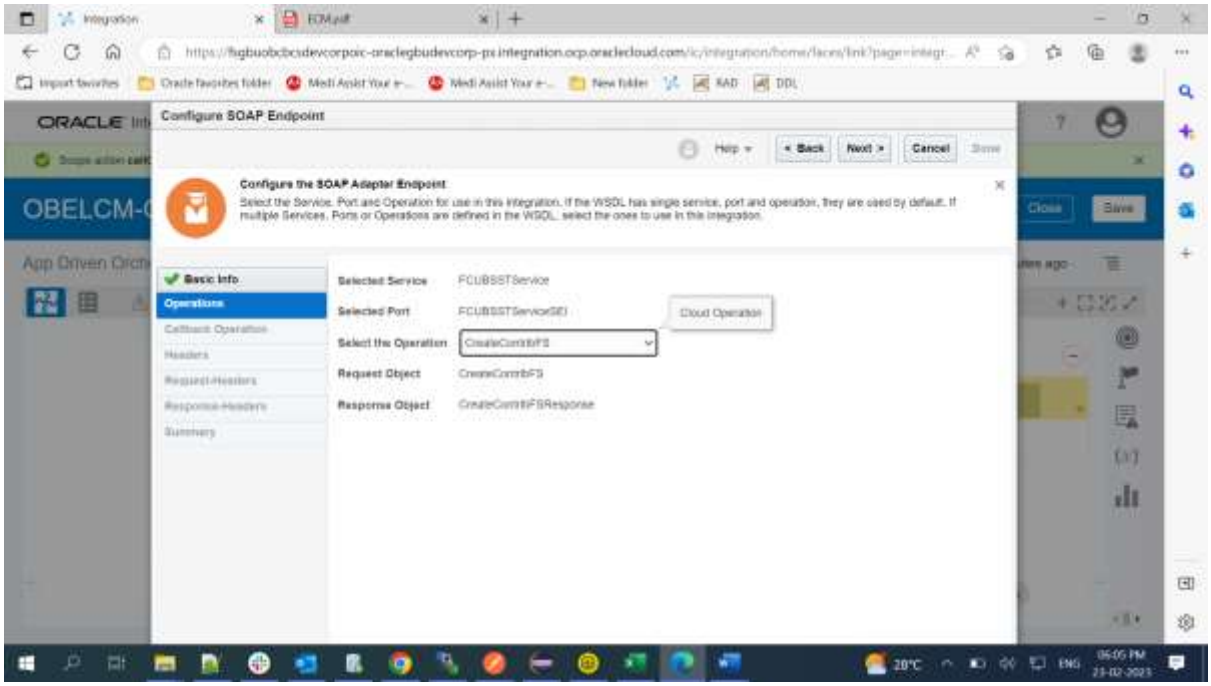


18) In ***Configure SOAP Endpoint → Basic Info*** wizard, Enter the below details and click **Next**

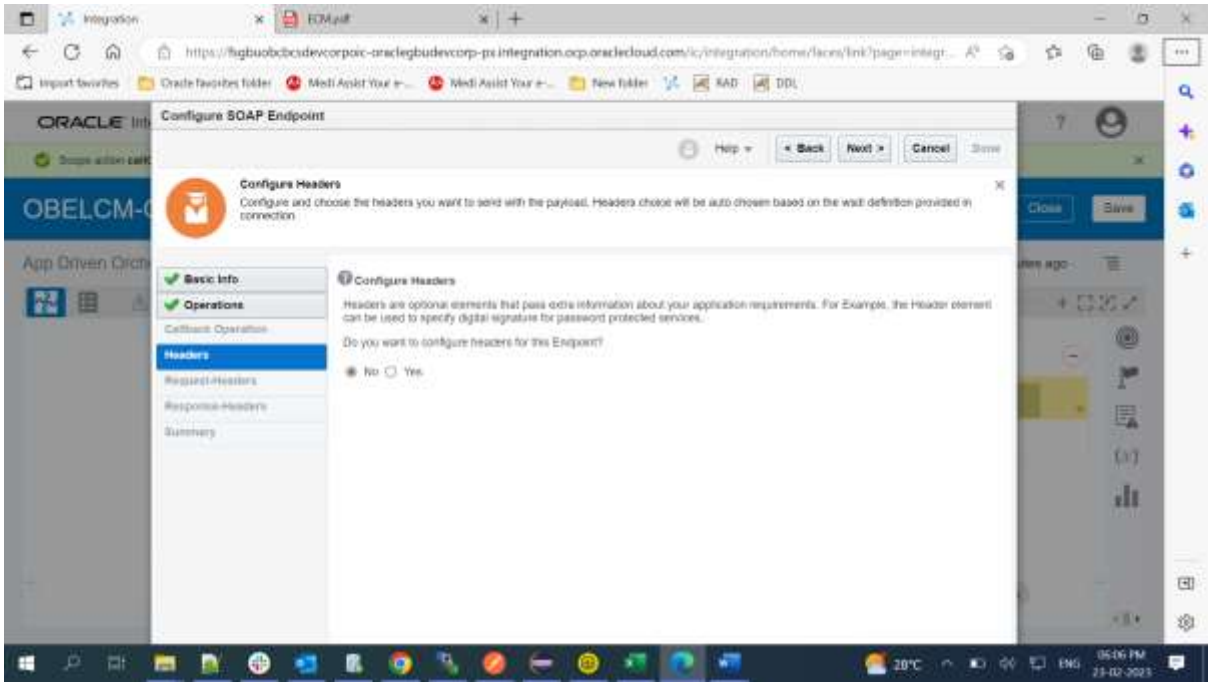


19) In ***Configure SOAP Endpoint → Operations*** **wizard**, Select CreateContribFS from the drop down as shown below and click Next

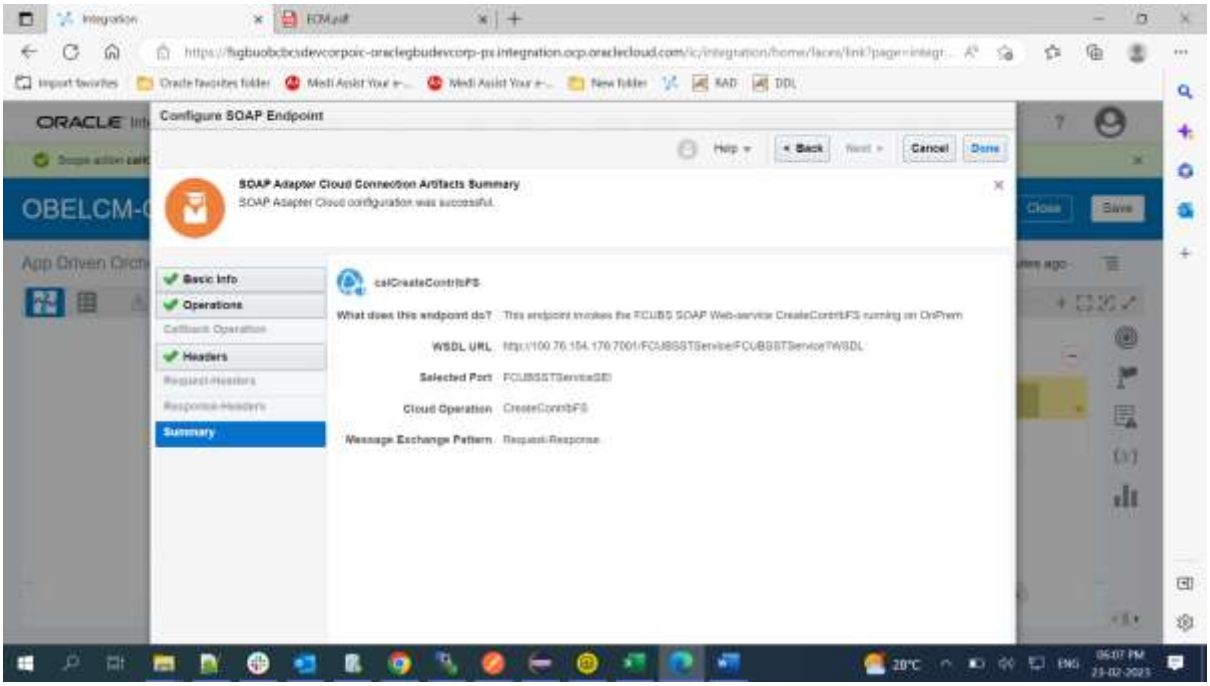




20) In ***Configure SOAP Endpoint → Headers*** **wizard**, select **No** and click **Next**



21) In ***Configure SOAP Endpoint → Summary*** **wizard**, verify the details and click **Done**

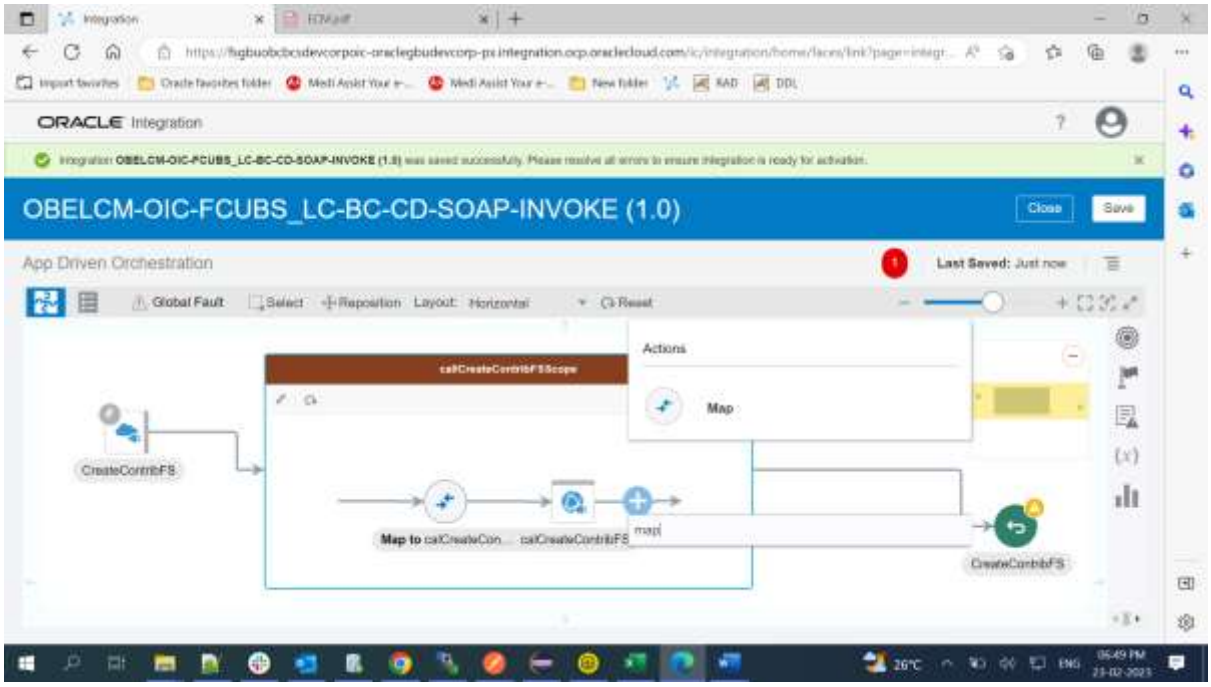


22) Invoke Connection setup completed in Integration for **callCreateContribFS**, you should see below Canvas screen - Click Save

d. Data Transformation - Data Mapping for Request and Response

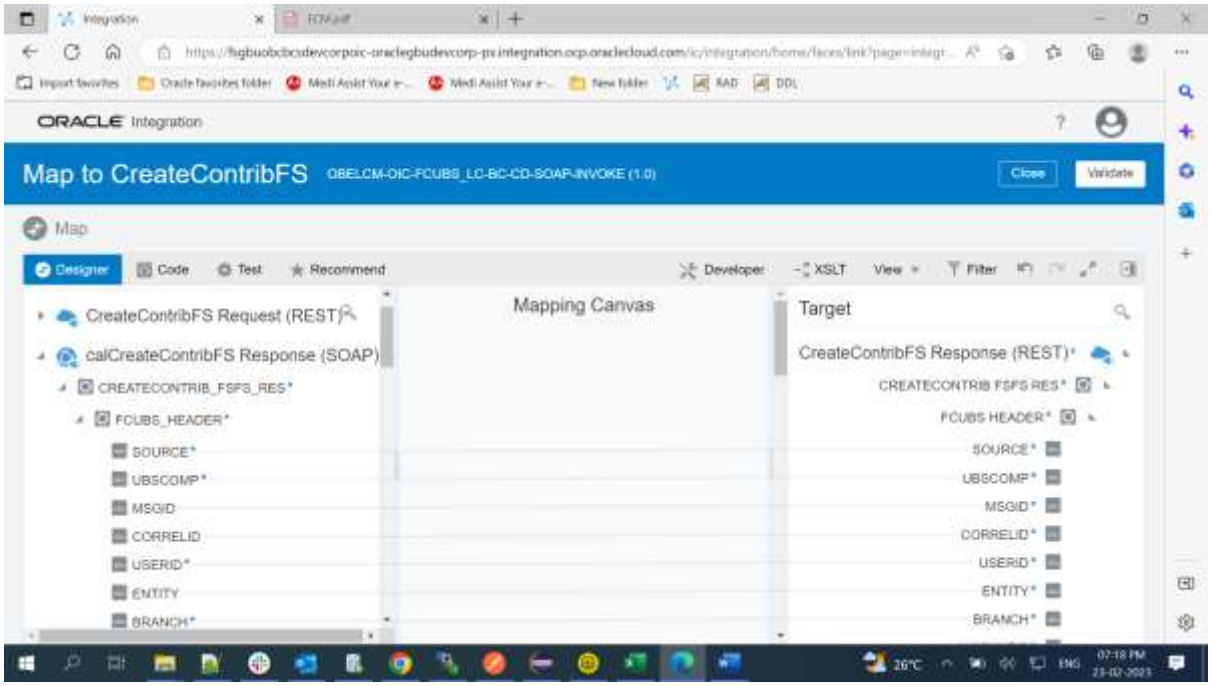
Mapping Response Data between callCreateContribFSScope (Target Invoke Response) and createContribFS (Source Trigger Response).

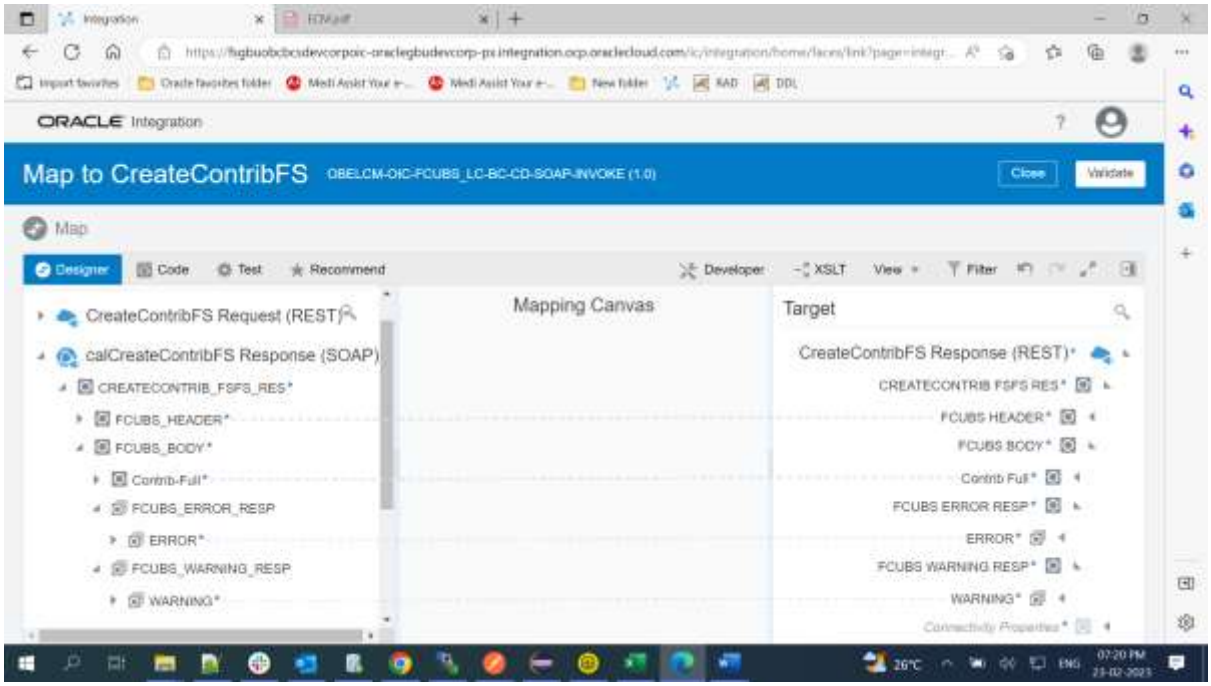
a) Click + button which is inside the callCreateContribFSScope, next to callCreateContribFS and search for Map component and click Map



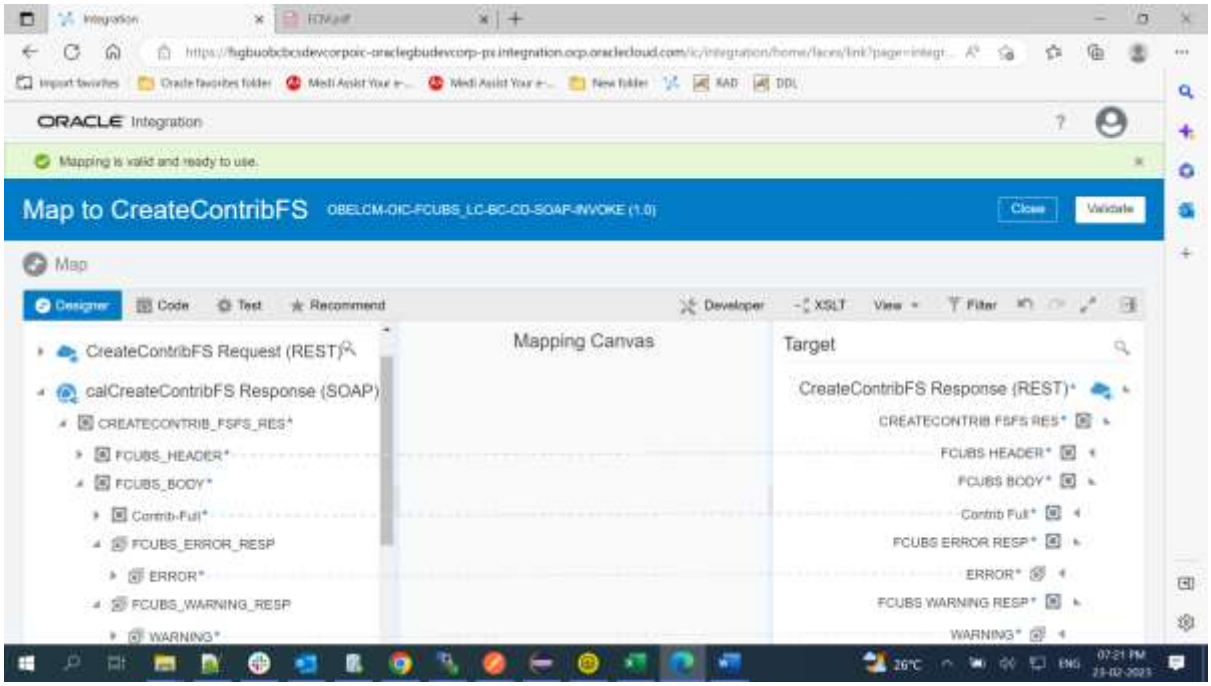
b) In the Mapping Canvas, Mapping needs to be done for **all the Source Field** in **callCreateContribFS Response (SOAP)** to their corresponding **Target Fields** in **CreateContribFS Response (REST)**

c) In Sources **callCreateContribFS** Response (REST) → click on Response Wrapper, Drag and Drop the Custom Headers from Source to Target **CreateContrib** Response (REST) → Response Wrapper one by one





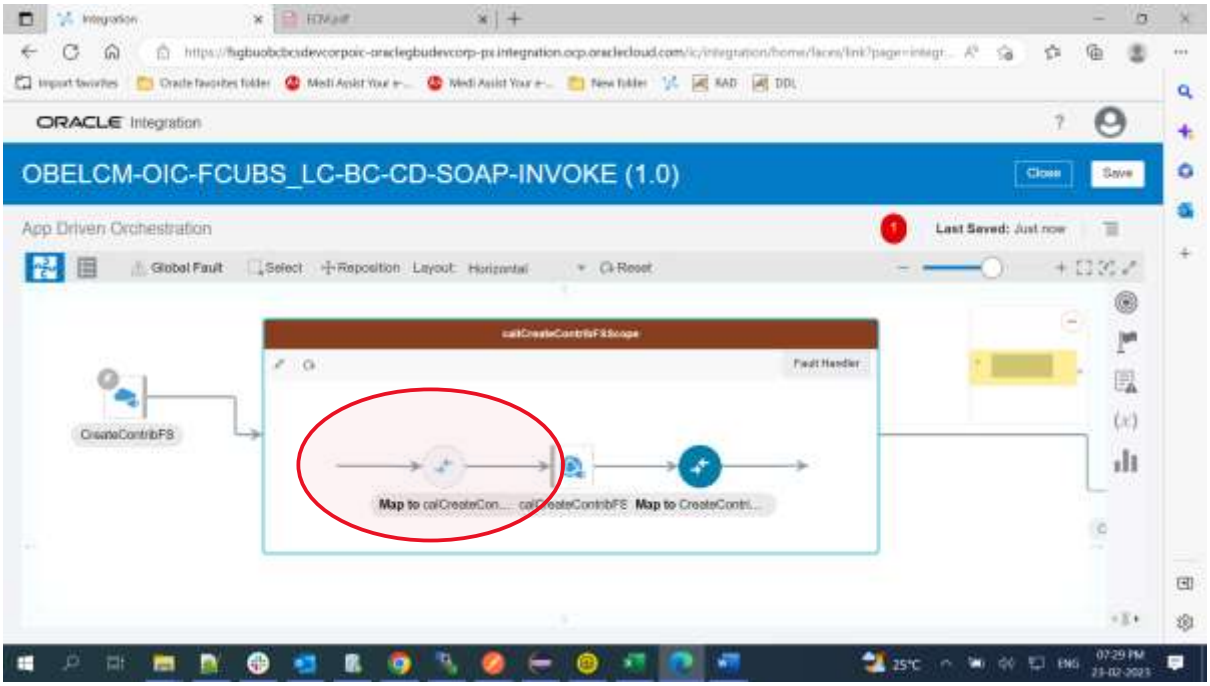
Click Validate and then Click Close

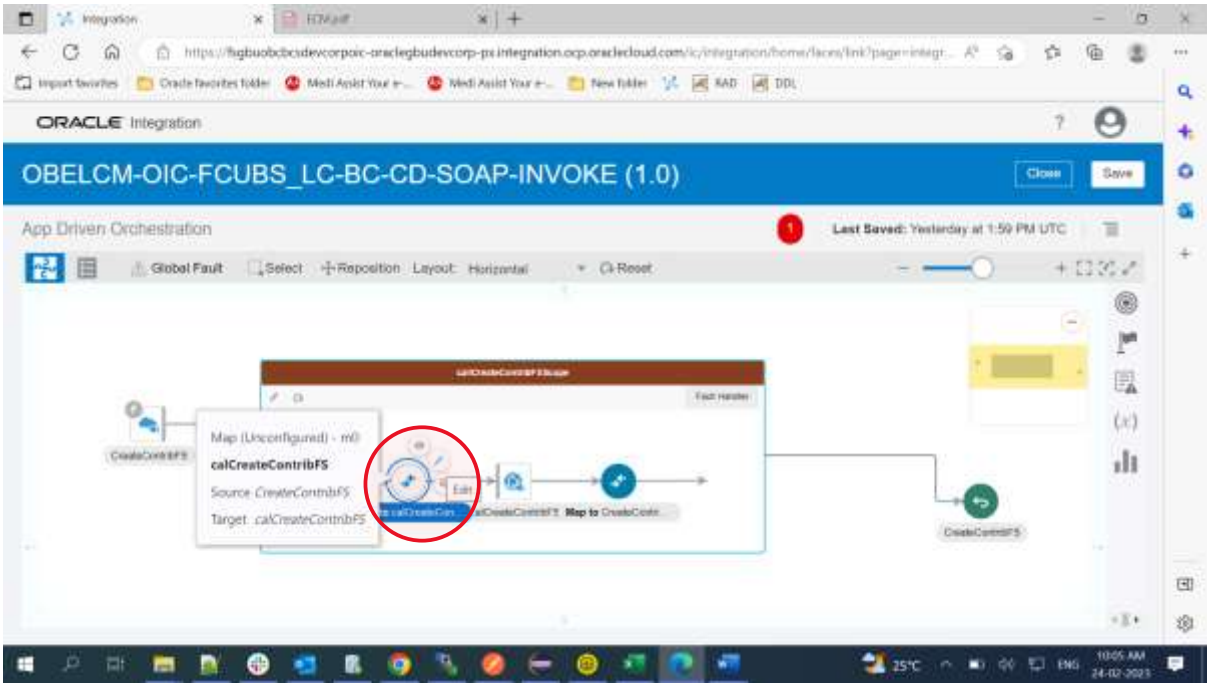

ORACLE Integration
Mapping is valid and ready to use.
Map to CreateContribFS
OBELCM-OIC-FCUBS_LC-BC-CD-SOAP-INVOKE (1.0)
Close
Validate
Map
Designer
Code
Test
Recommend
Developer
XSLT
View
Filter
CreateContribFS Request (REST)
calCreateContribFS Response (SOAP)
CREATECONTRIB_FSFS_RES*
FCUBS_HEADER*
FCUBS_BODY*
Contrib-Full*
FCUBS_ERROR_RESP
ERROR*
FCUBS_WARNING_RESP
WARNING*
Mapping Canvas
Target
CreateContribFS Response (REST)*
CREATECONTRIB FSFS RES*
FCUBS HEADER*
FCUBS BODY*
Contrib Full*
FCUBS ERROR RESP*
ERROR*
FCUBS WARNING RESP*
WARNING*


ORACLE Integration
OBELCM-OIC-FCUBS_LC-BC-CD-SOAP-INVOKE (1.0)
Close
Save
App Driven Orchestration
Last Saved: 43 minutes ago
Global Fault
Select
Reposition
Layout: Horizontal
Reset
CreateContribFS
Fault Handler
Map to calCreateCon...
calCreateContribFS
Map to CreateContri...

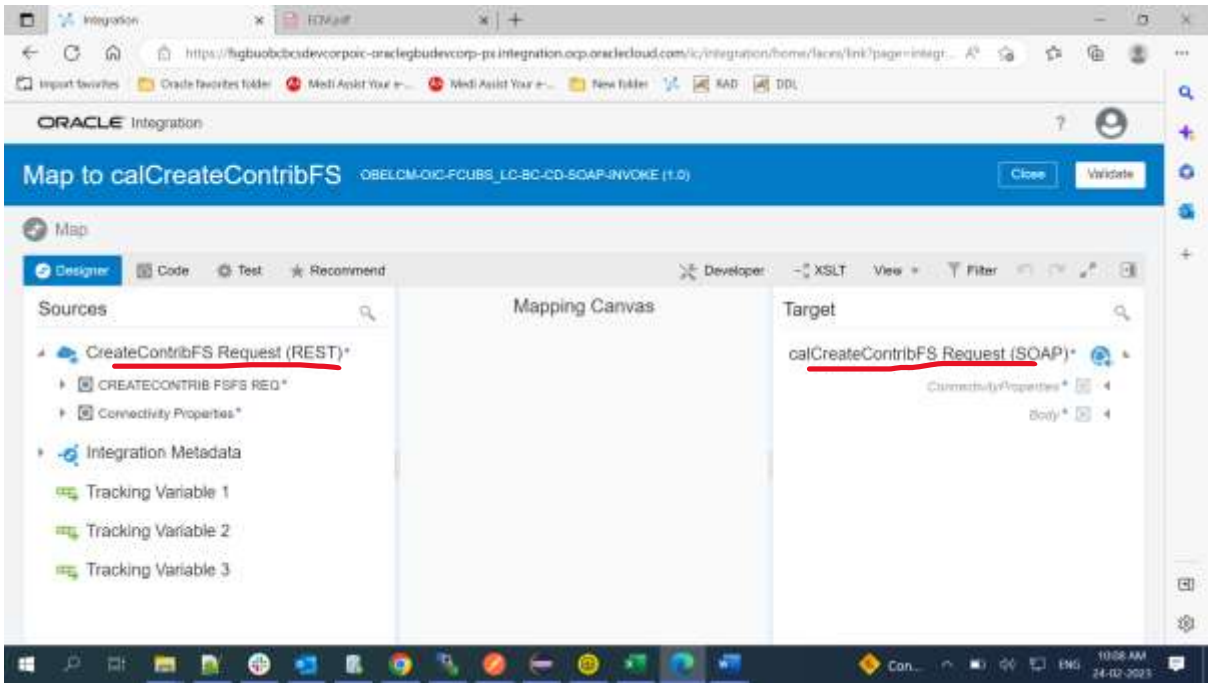
Mapping Request Data between CreateContribFS (Source Trigger Request) and callCreateContribFS (Target Invoke Request)

1) Click Map to callCreateContribFS which is inside the callCreateContribFSScope

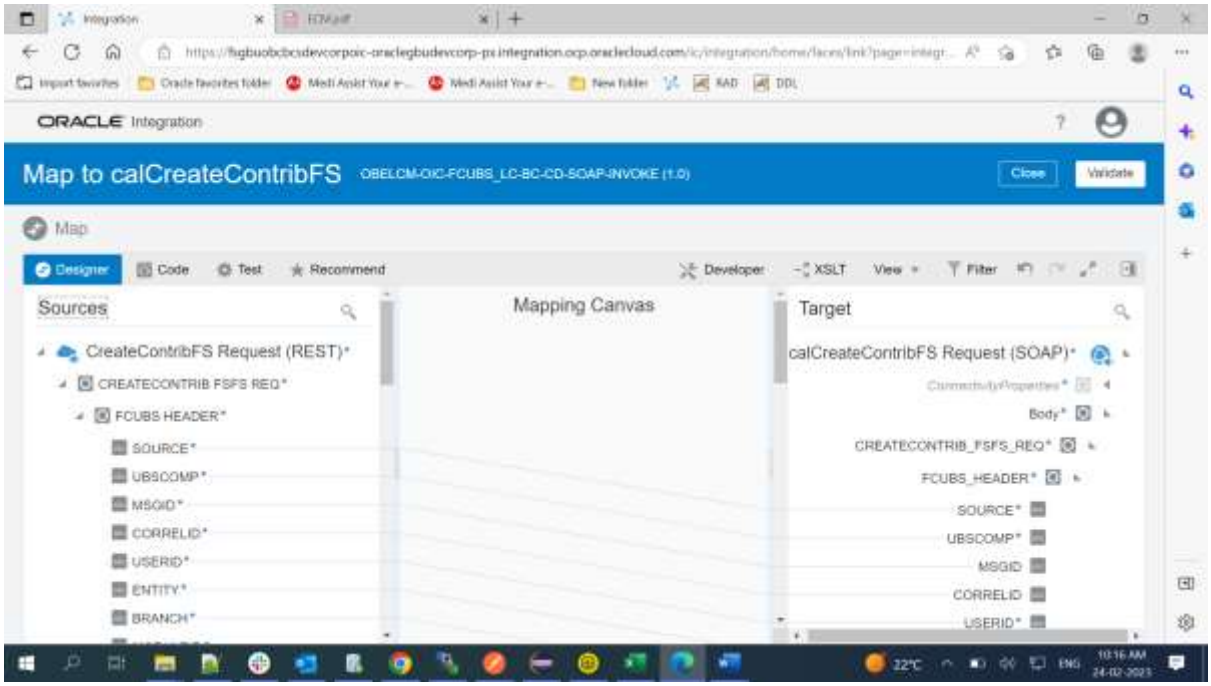


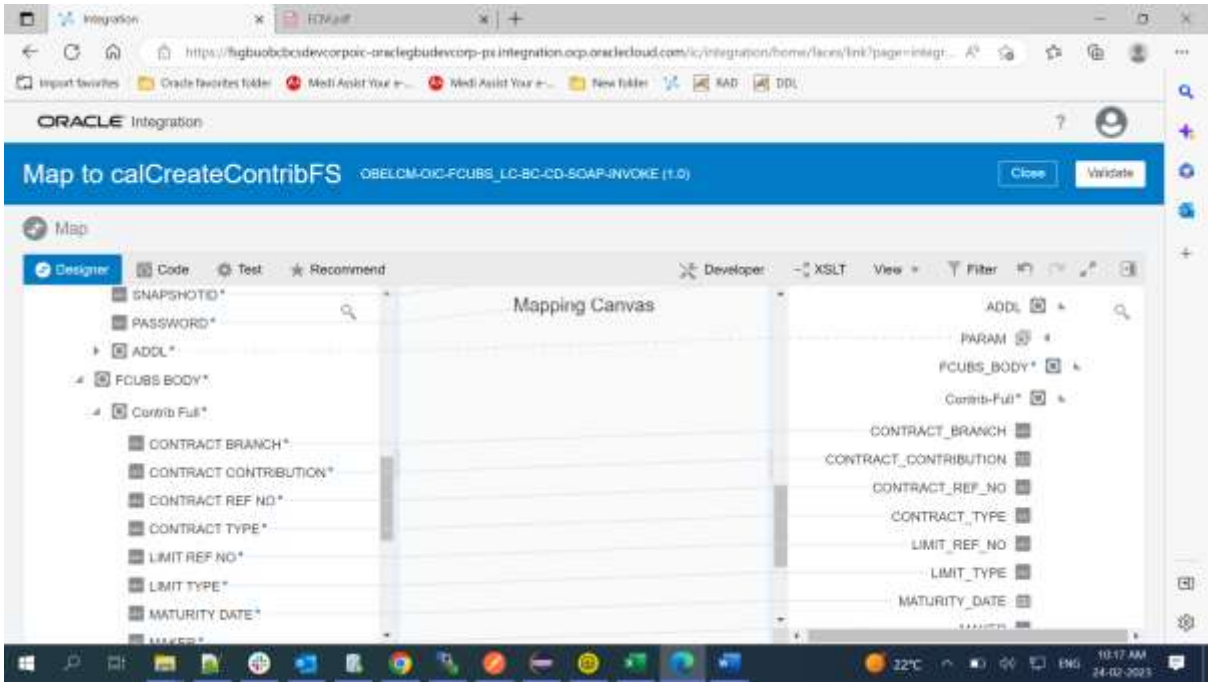


2) In the Mapping Canvas, Mapping needs to be done for all the Source Field in CreateContrib Requst (REST) to their corresponding Target Fields in callCreateContrib Request (REST)

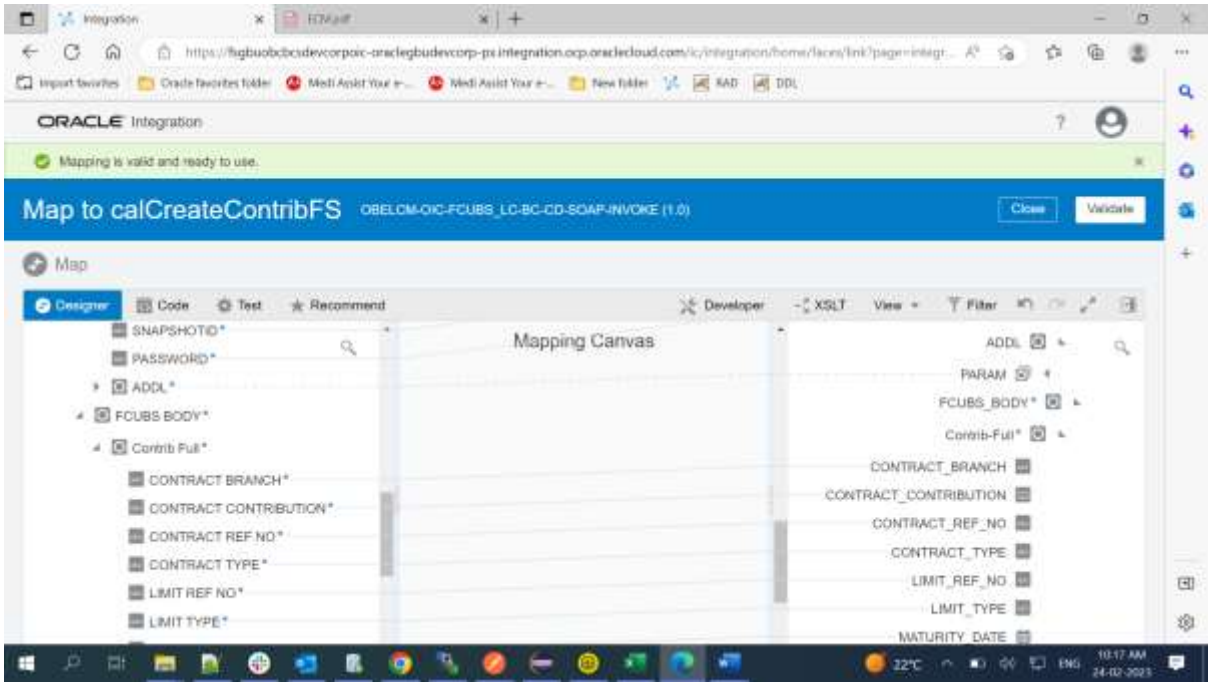


3) In Sources CreateContrib Request (REST), Drag and Drop the Custom Headers from Source to Target callCreateContribFS Request (SOAP)





Click Validate and then Click Close



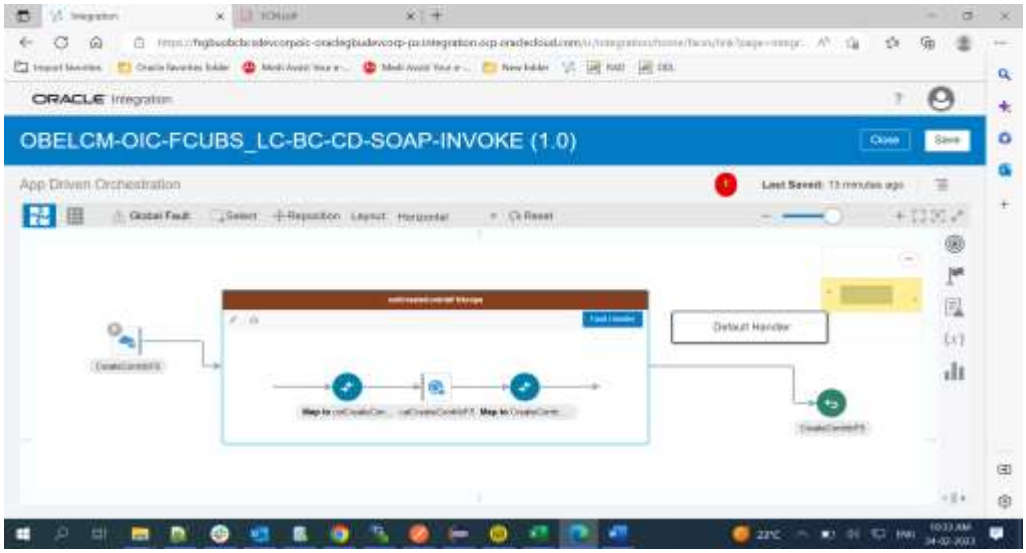
Request Mapping Completed, you should see below Canvas screen - Click Save

e. Configure Default Handler Fault Handler inside Scope

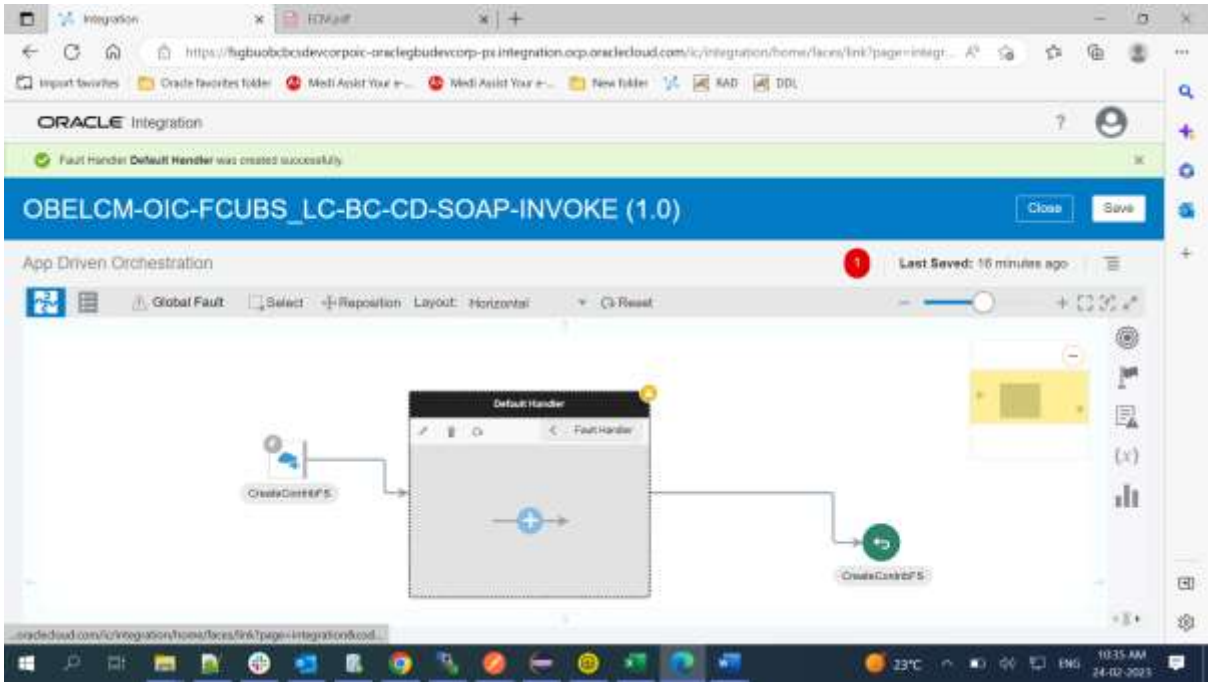
Fault Handlers	Links	Comments
Default Handler	Refer APIInvocationError Handler	Handle different error responses in Default Handler
Global Fault Handler	Refer Global Fault Handler	
Handle Status Code 200 OK	Refer Handle Status Code 200 OK	Handle 200 OK response flow

We can handle Faults occurred in Target Services with a scope using a Fault Handler.

1) Click on Fault Handler and then Click REST: APInvocationError

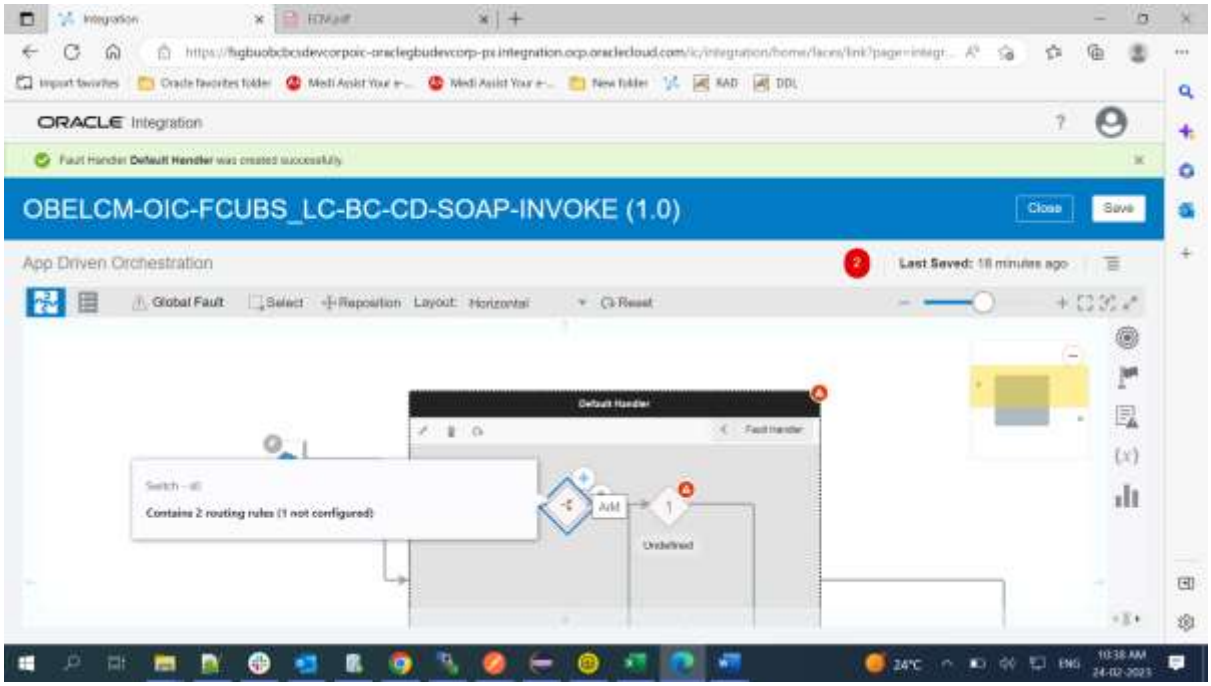


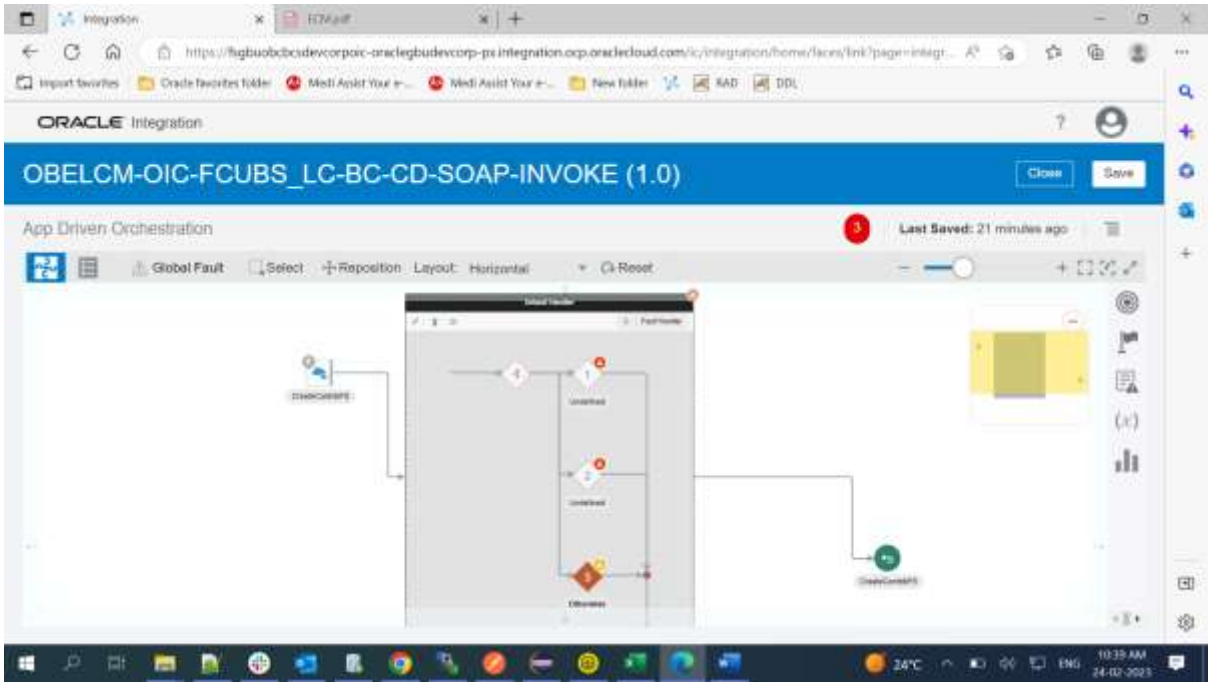
2) Click on + Button, search for Scope and select the Scope component



3) Click on Switch case component and click + button

Note: you can handle multiple status codes or error Codes by clicking the + button

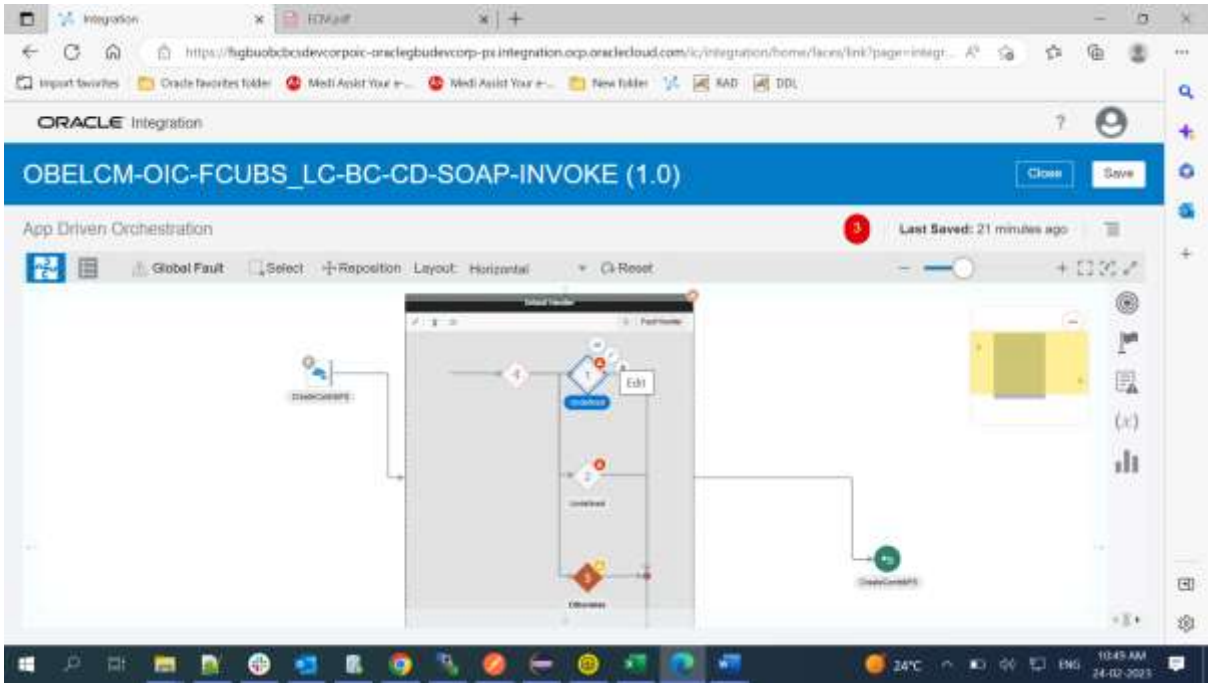




4) Now, we can handle following error codes and error statuses in the **APIInvocationError** Fault Handler

Http Status Code	Http Status	Response Body Field Name	Field Value	Case Name	Handled in Fault Handler Name/Scope
400	Bad Request	accountingMessageStatus	FAILURE	1	APIInvocationHandler Fault Handler
500	Internal Server error	Path	/fcubs-ext-accounting-services/service/v1/Accounting	2	APIInvocationHandler Fault Handler
200	OK			Otherwise	callCreateContrib Scope

4a. Click on the first case (1) (Handle Bad Request) and click the Pencil Edit button



4c. Click on $CurrentFaultError and click APIInvocationError. Select the fieldname "**errorCode**" and click on move button.

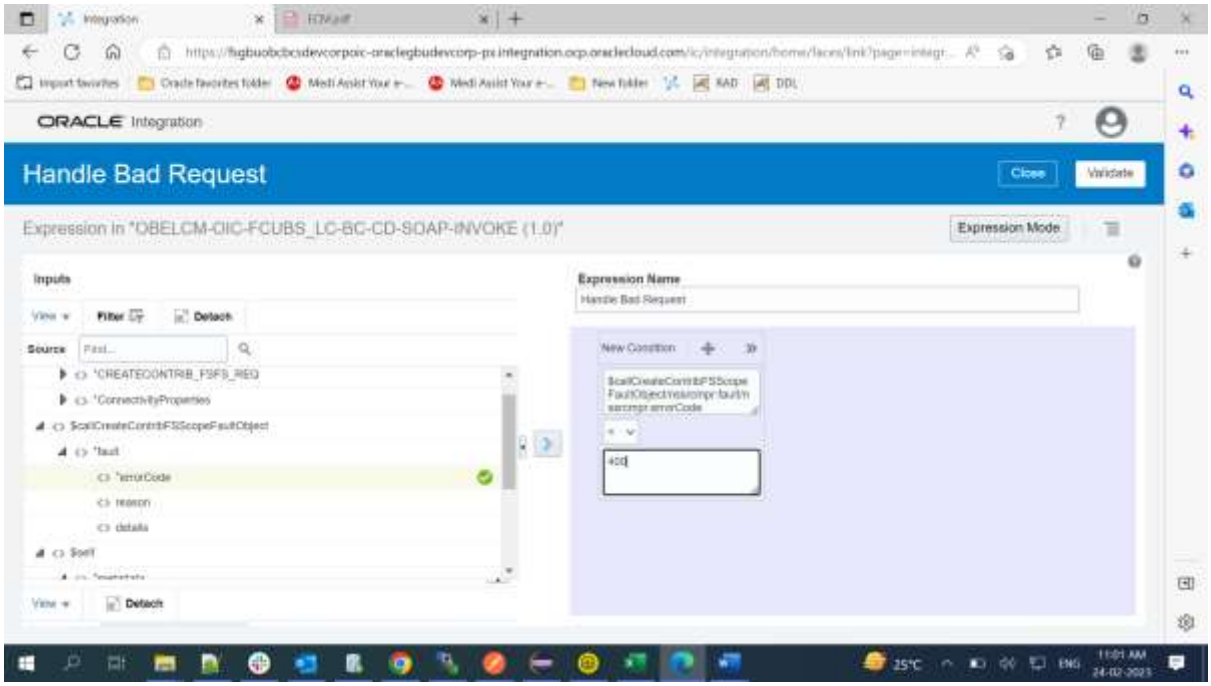
Provide the following details for the condition

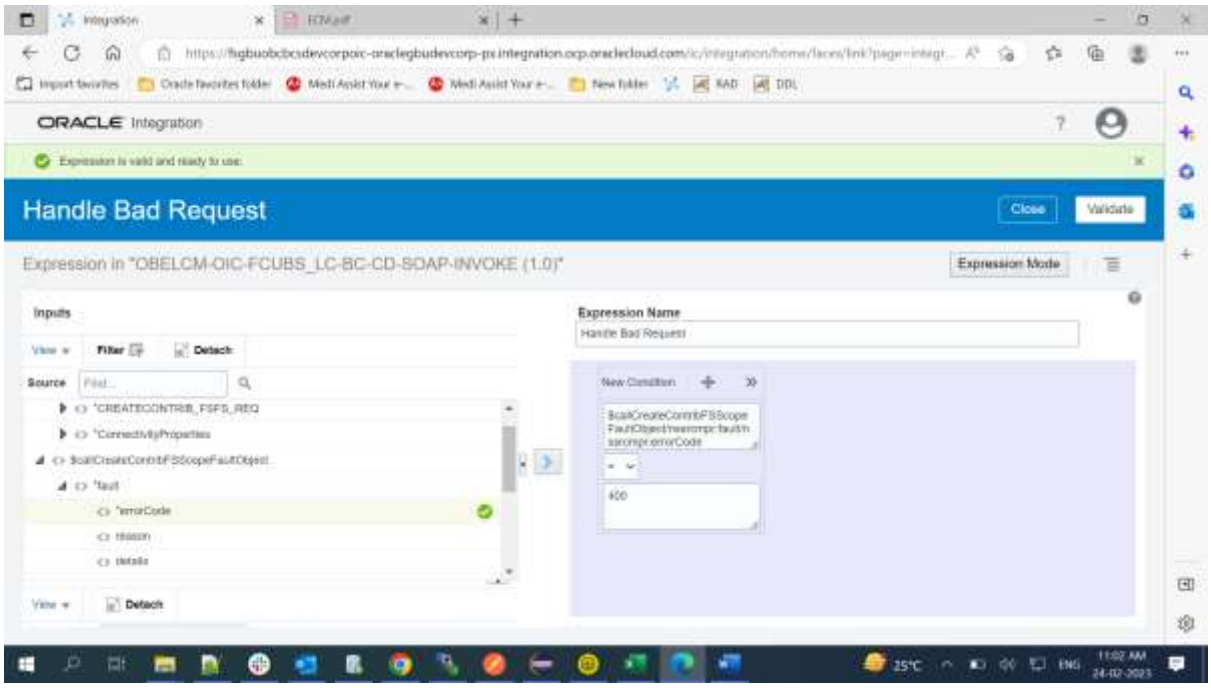
Expression Name : Handle Bad Request

operator: =

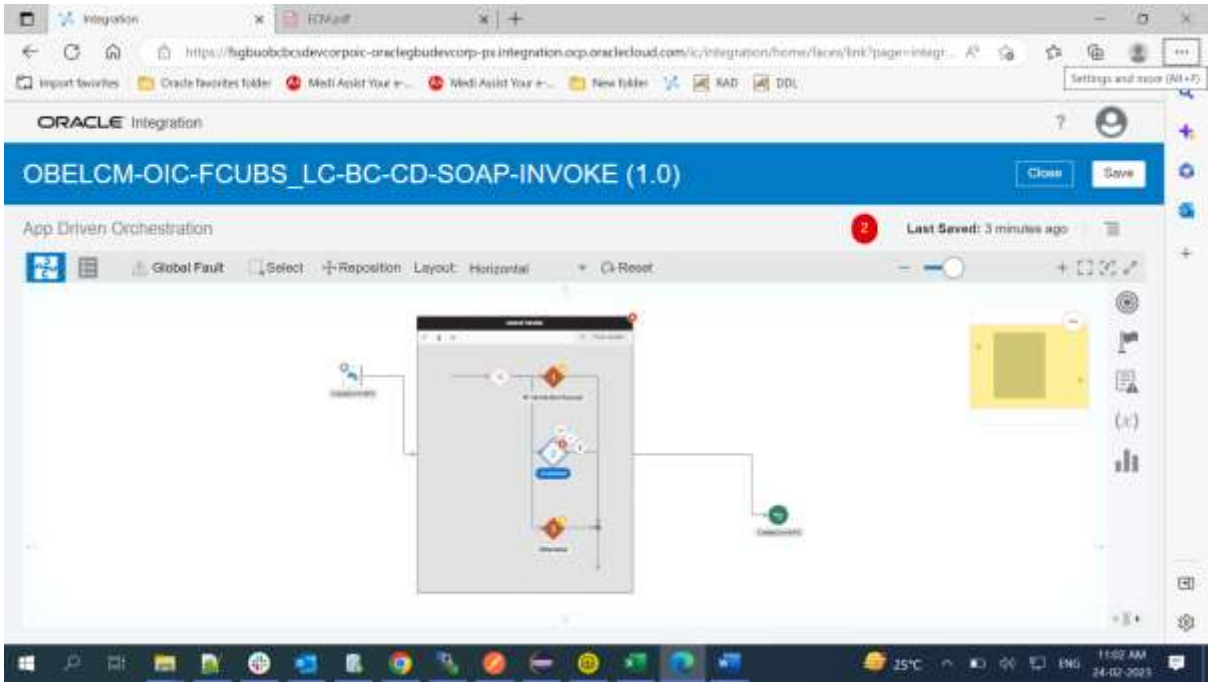
Value: 400

Click Validate and Click Close.





4d. Click on the Second case 2 (Handle Internal Server Error) and click the Pencil Edit button



4e. Click on $CurrentFaultError and click APIInvocationError. Select the fieldname "errorCode" and click on move button

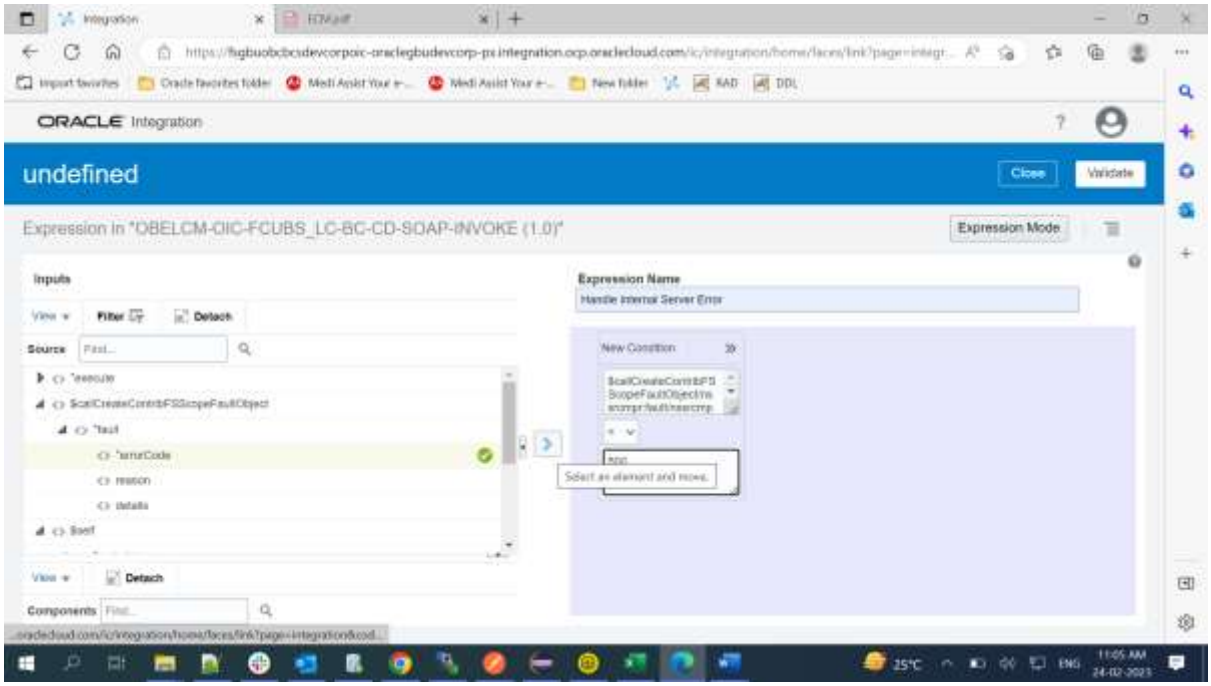
Provide the following details for the condition

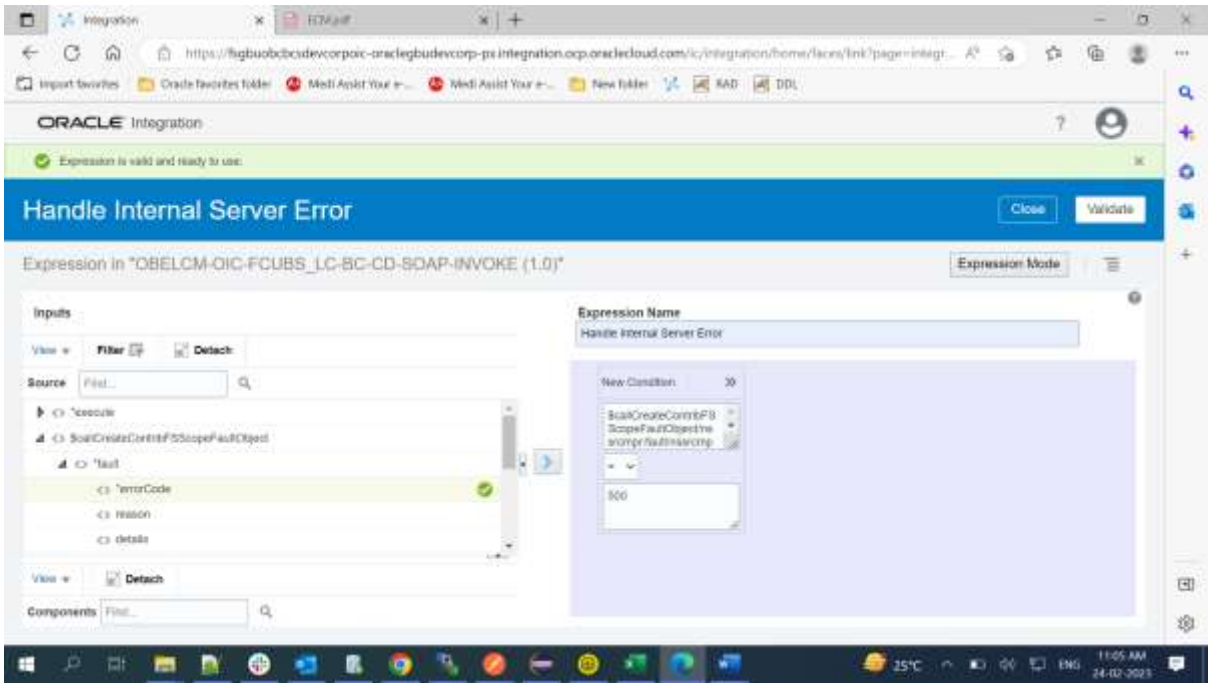
Expression Name: Handle Internal Server Error

operator: =

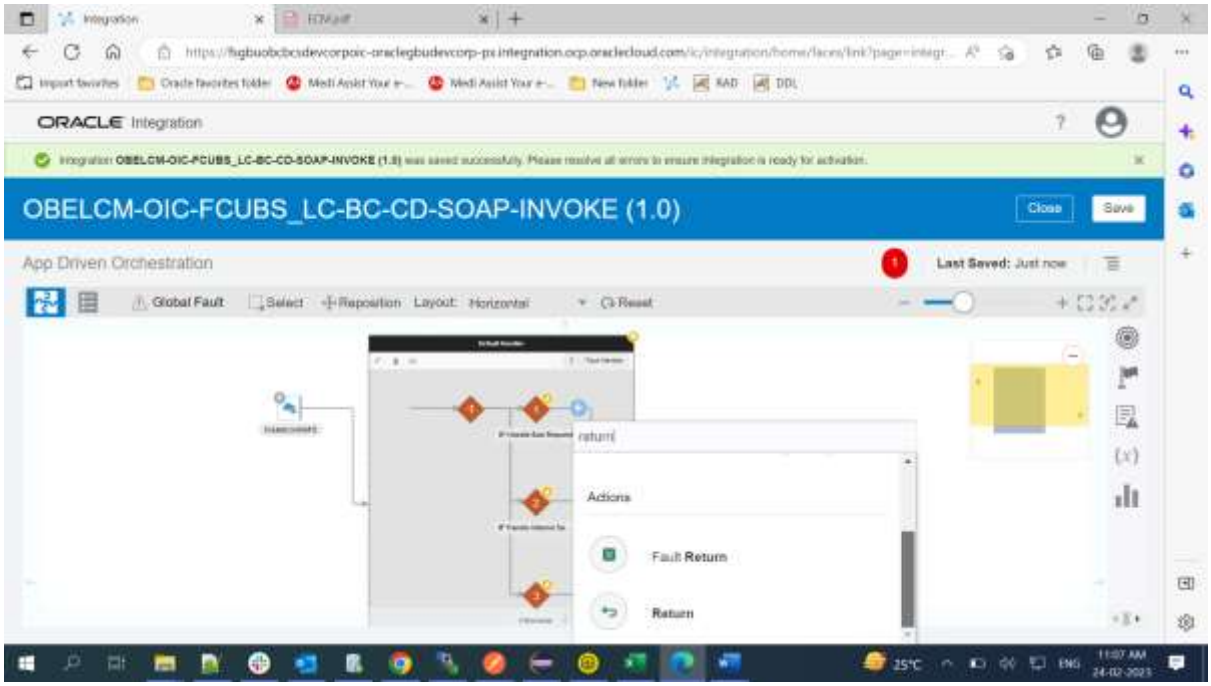
Value: 500

Click Validate and Click Close.

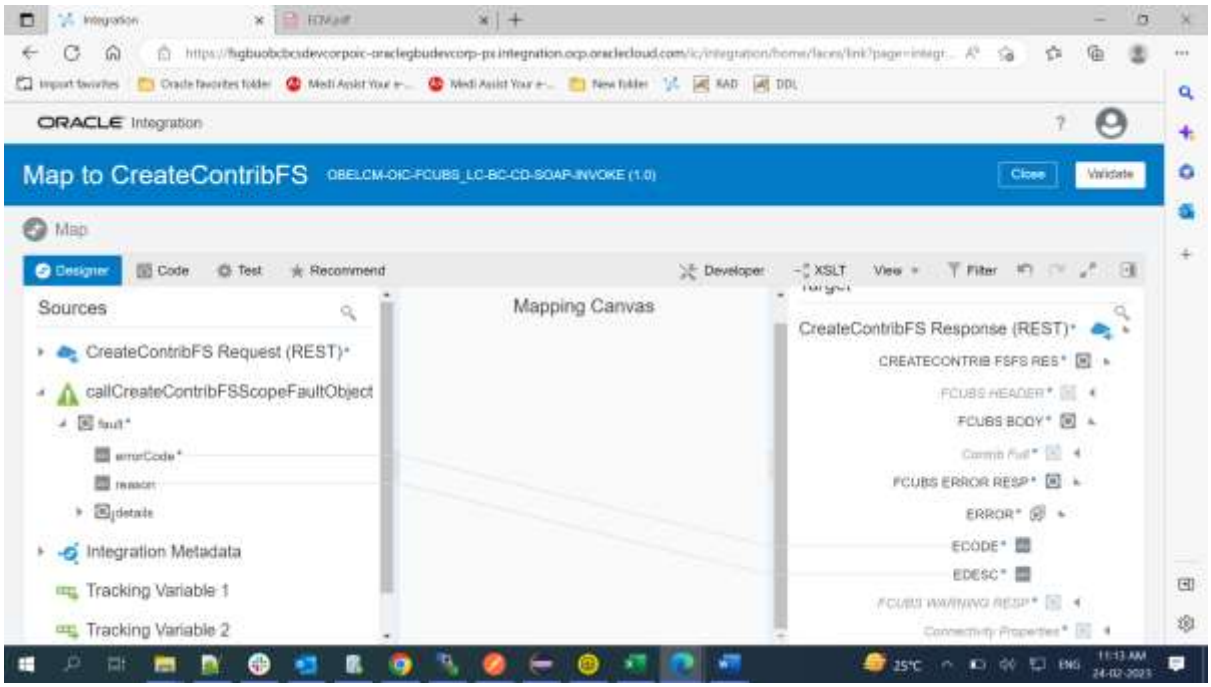




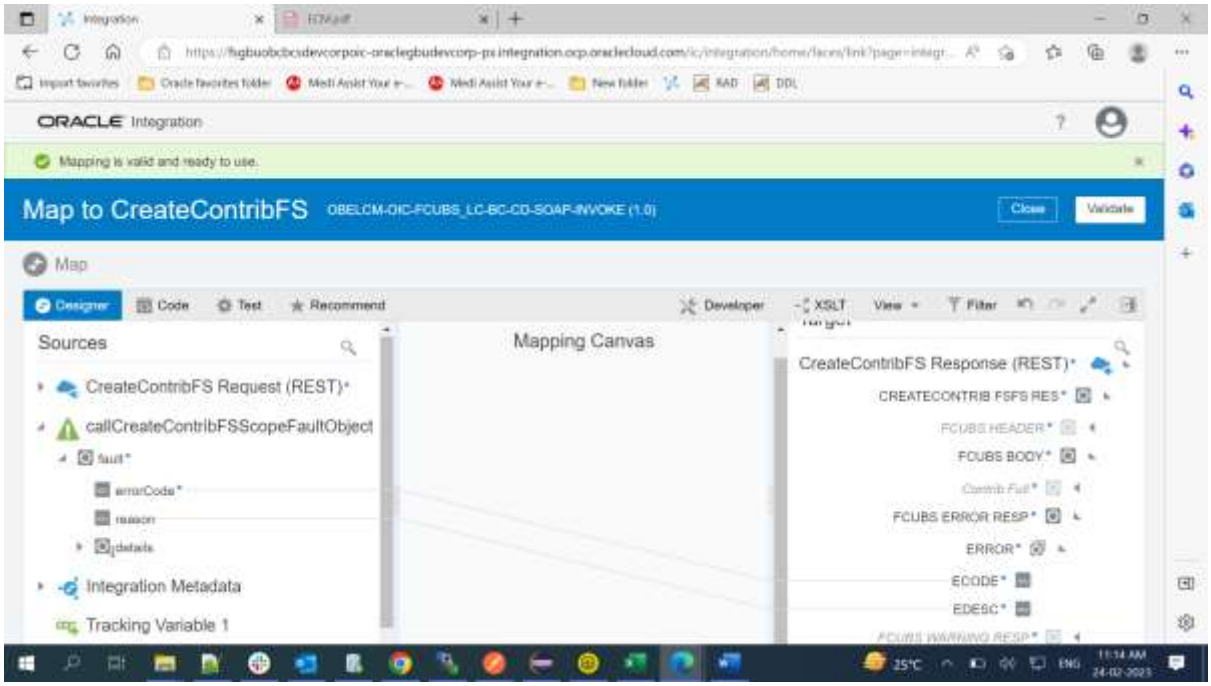
4f. Hover the mouse over the line which is coming out of Case 1 (IF Handle Bad Request) then Click on + button



4g. Click on **Map to CreateContrib,** Drag and Drop the Field names from Source to its Target Field Names as shown below

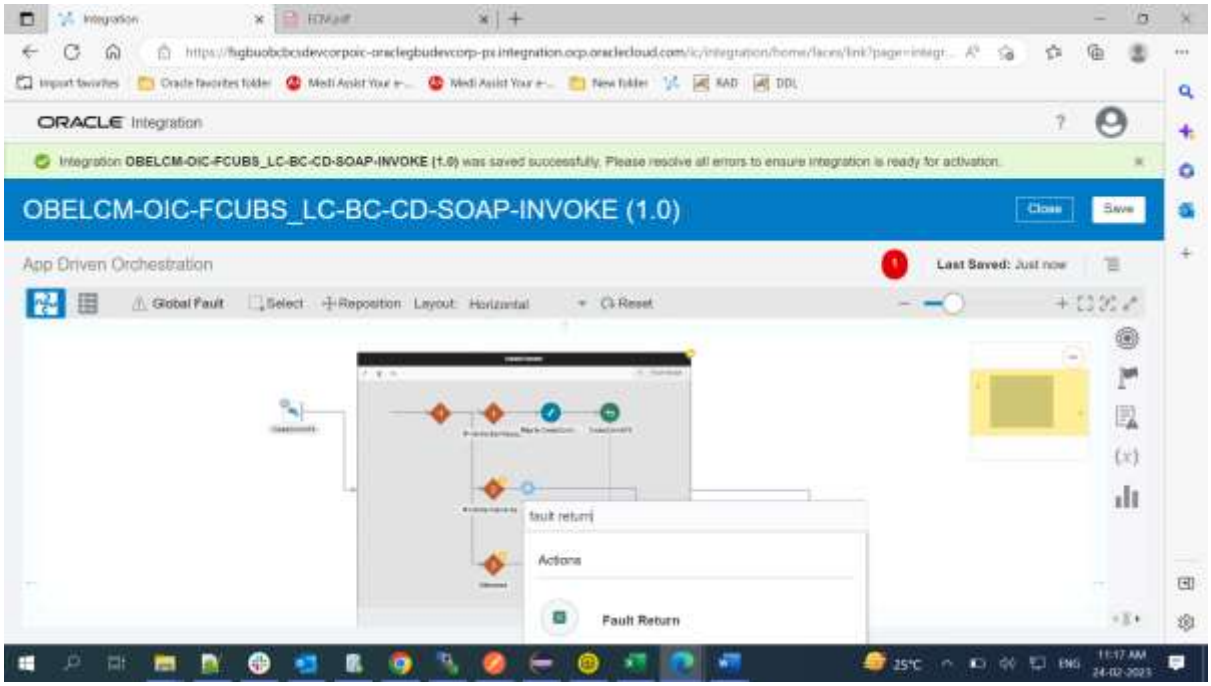


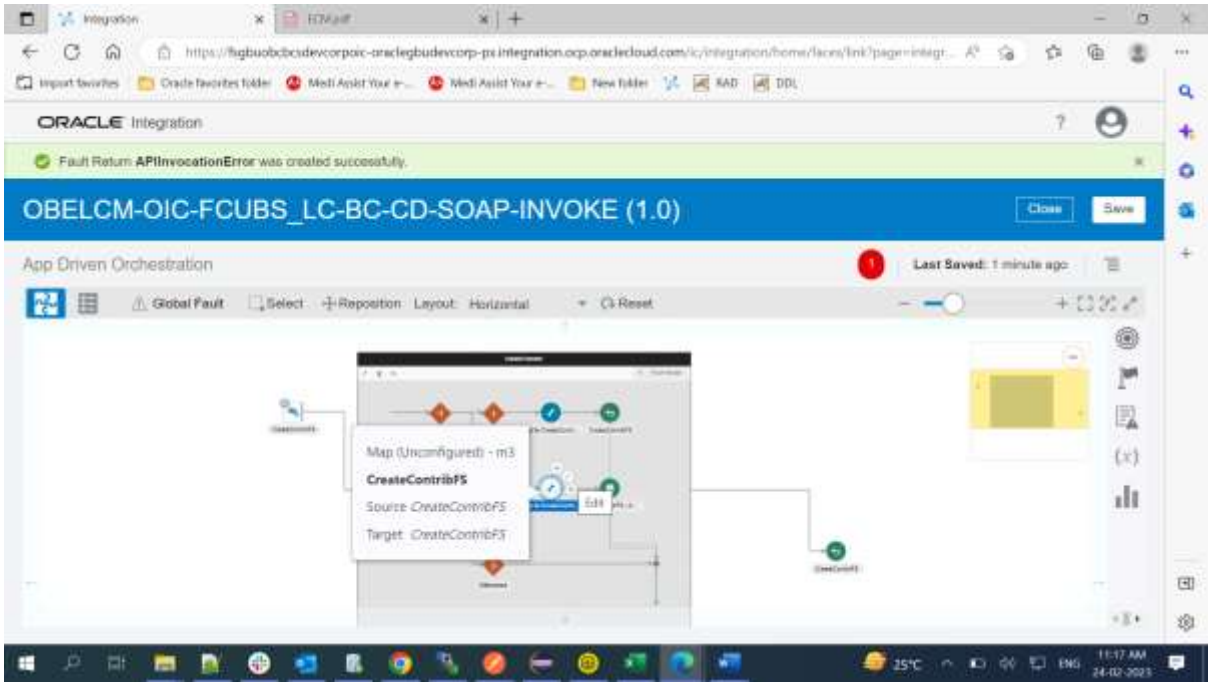
4h. Click Validate and Close

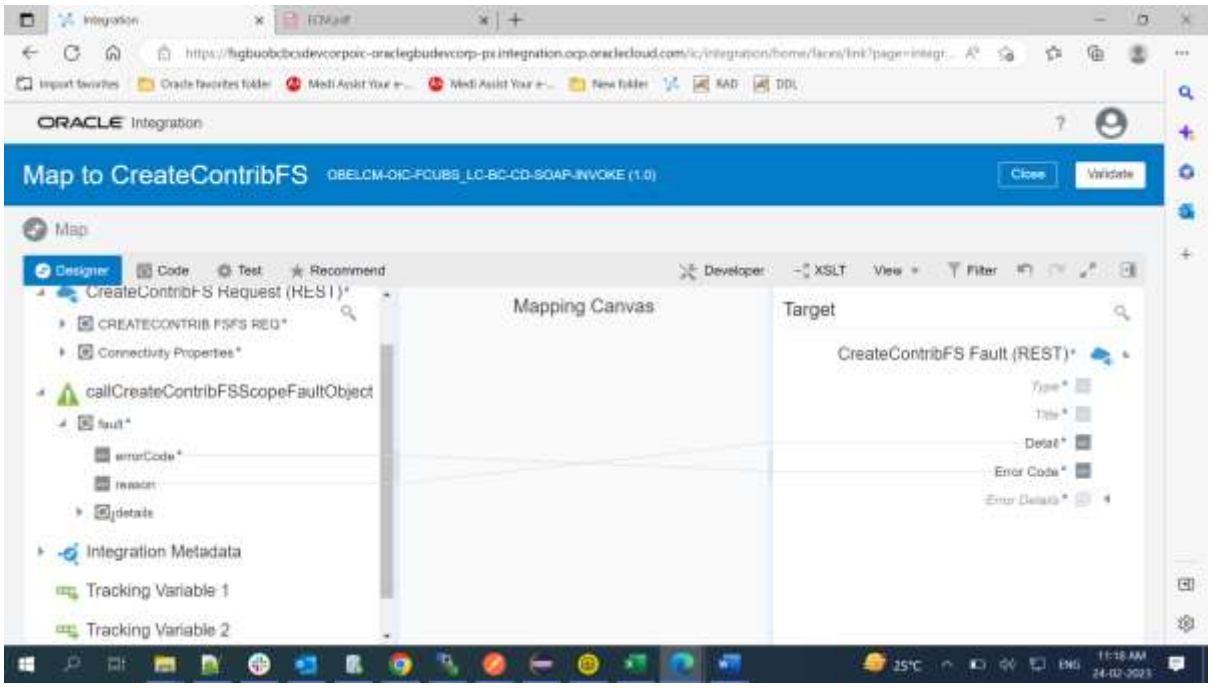


4i. Hover the mouse over the line which is coming out of Case 2 (IF Handle Internal Server Error) then Click on + button and type **Fault Return** and click **Fault Return** component

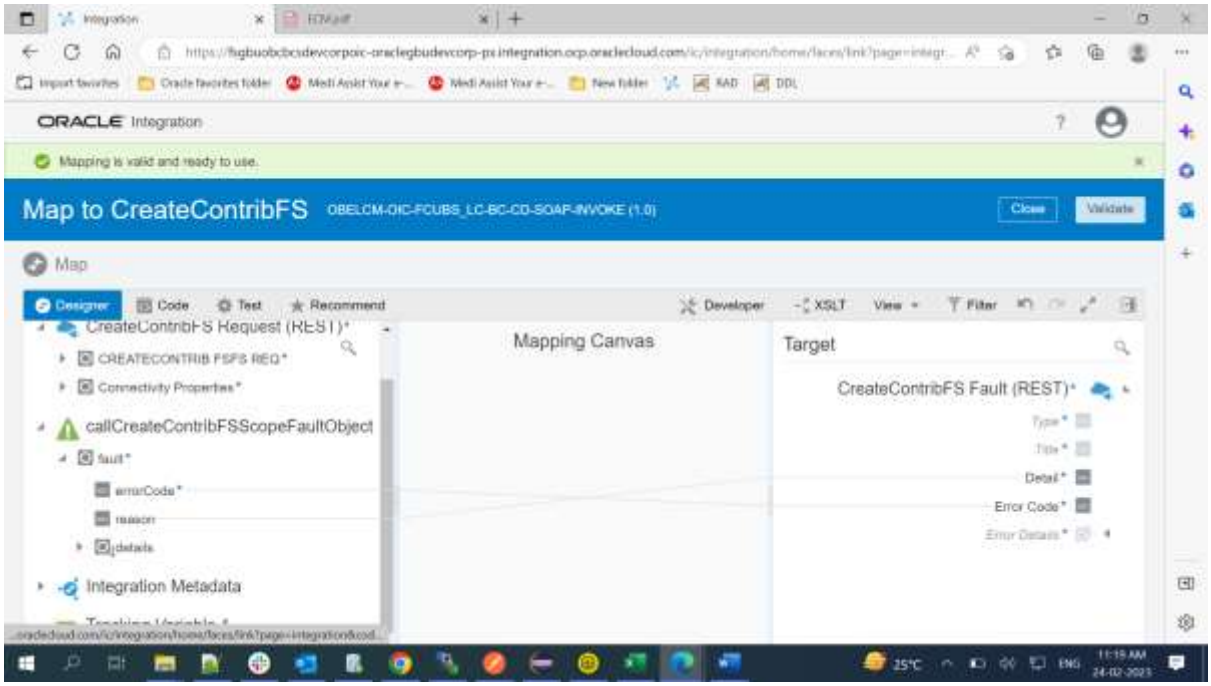
Click on **Map to CreateContrib,** Drag and Drop the Field names from Source to its Target Field Names as shown below







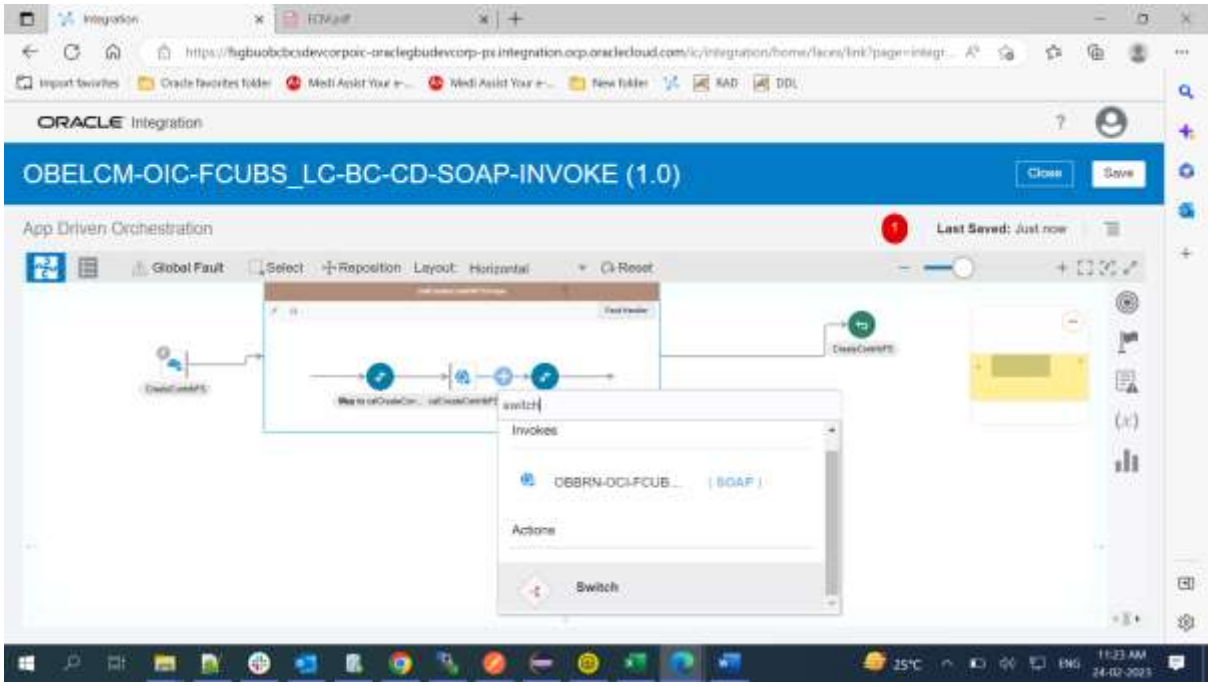
4j. Click Validate and Close



Handle Status Code 200 OK

4k. Click < button which is before Fault Handler

4l. Click + button between the **callCreateContribing** and **Map to CreateContribing,** search switch and click Switch component



4m. Click on the first case (1) (**Handle AccountingMessageStatus FAILED**) and click the Pencil Edit button

4n. Click on $callCreateContribing and click executeResponse->responseWrapper. Select the fieldname "**accountingMessageStatus**" and click on 

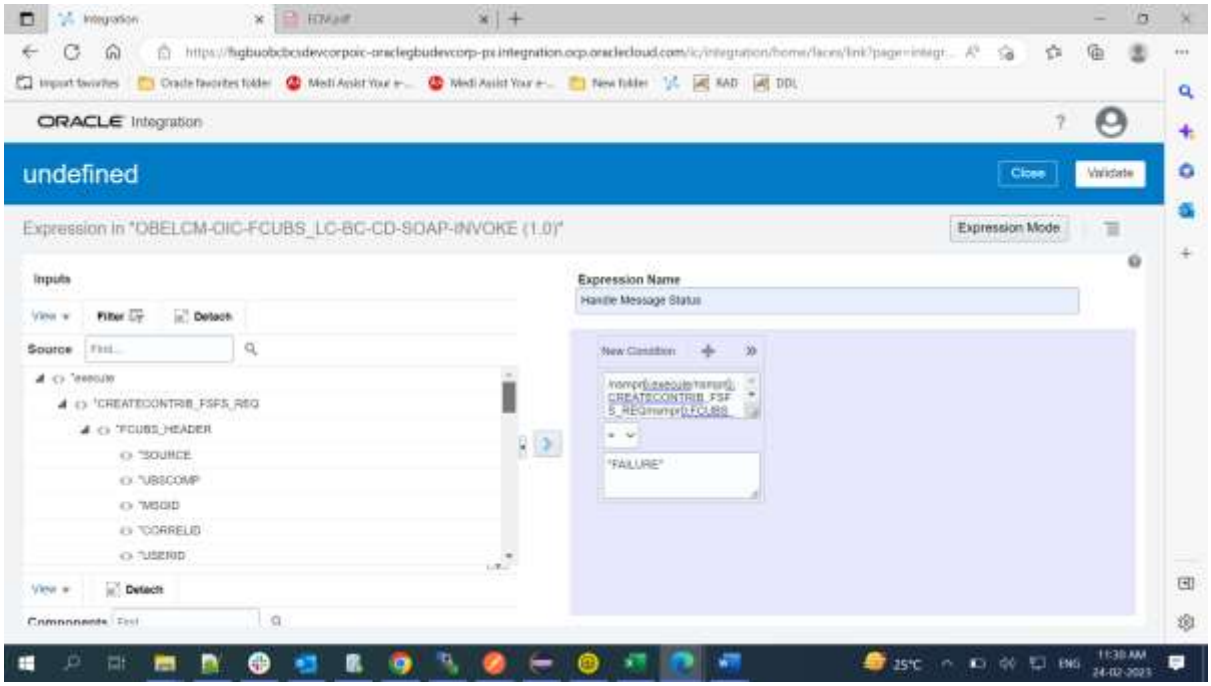
Provide the following details for the condition

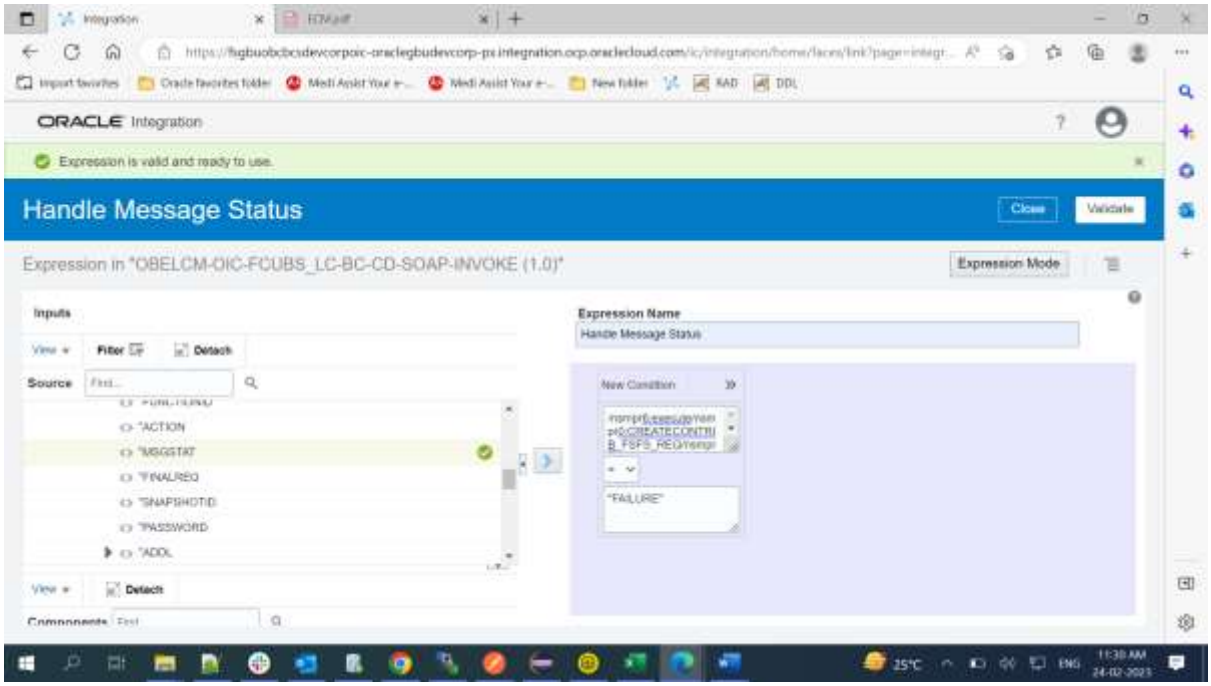
Expression Name: Handle AccountingMessageStatus FAILED

operator: =

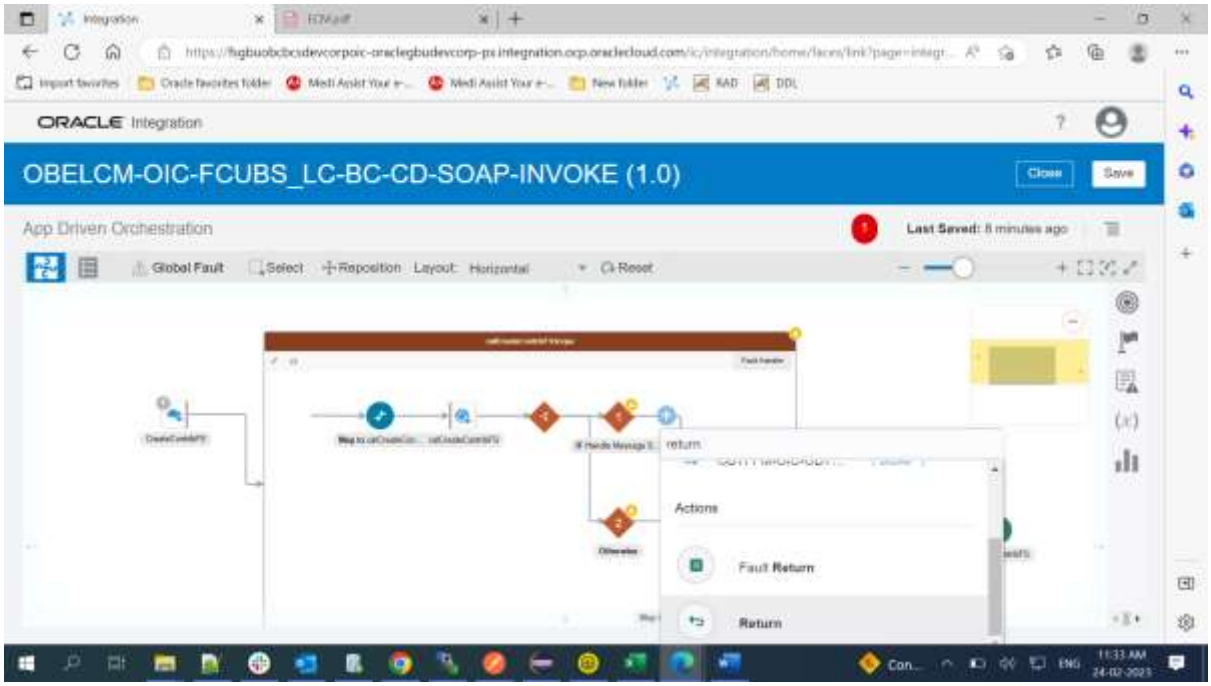
Value: FAILED

Click Validate and Click Close.

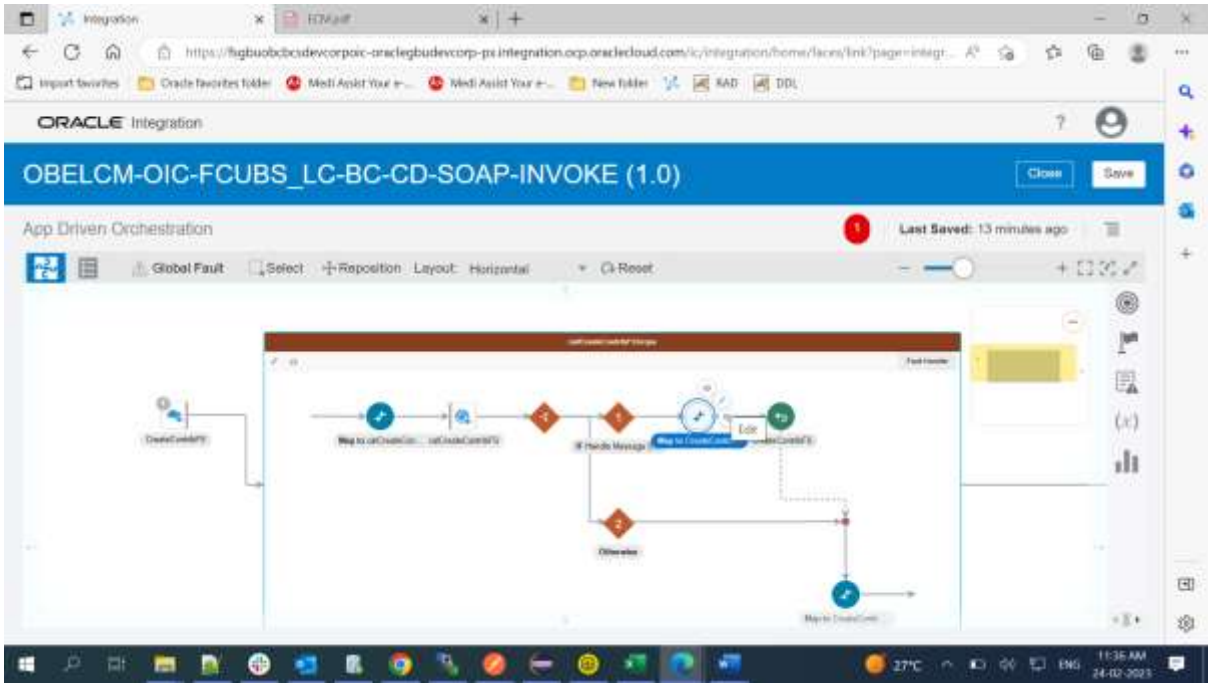




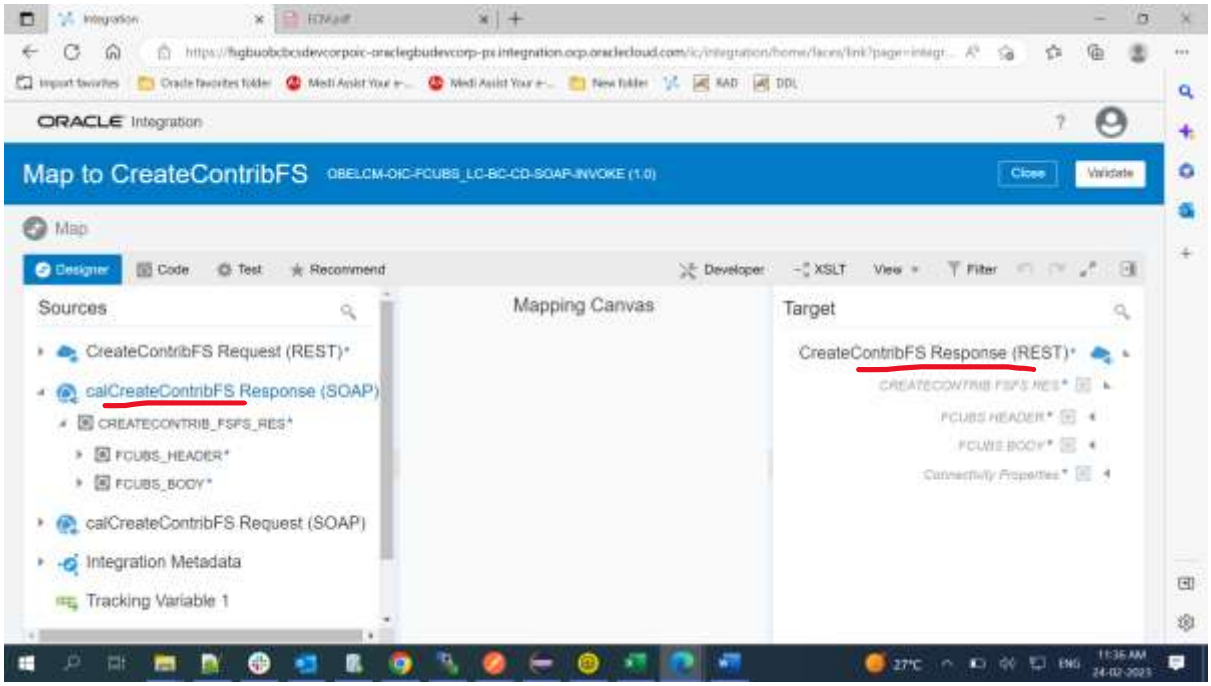
4o. Hover the mouse over the line which is coming out of Case 1 (IF Handle AccountingMessageStatus FAILED) then Click on + button, search return and click Return component

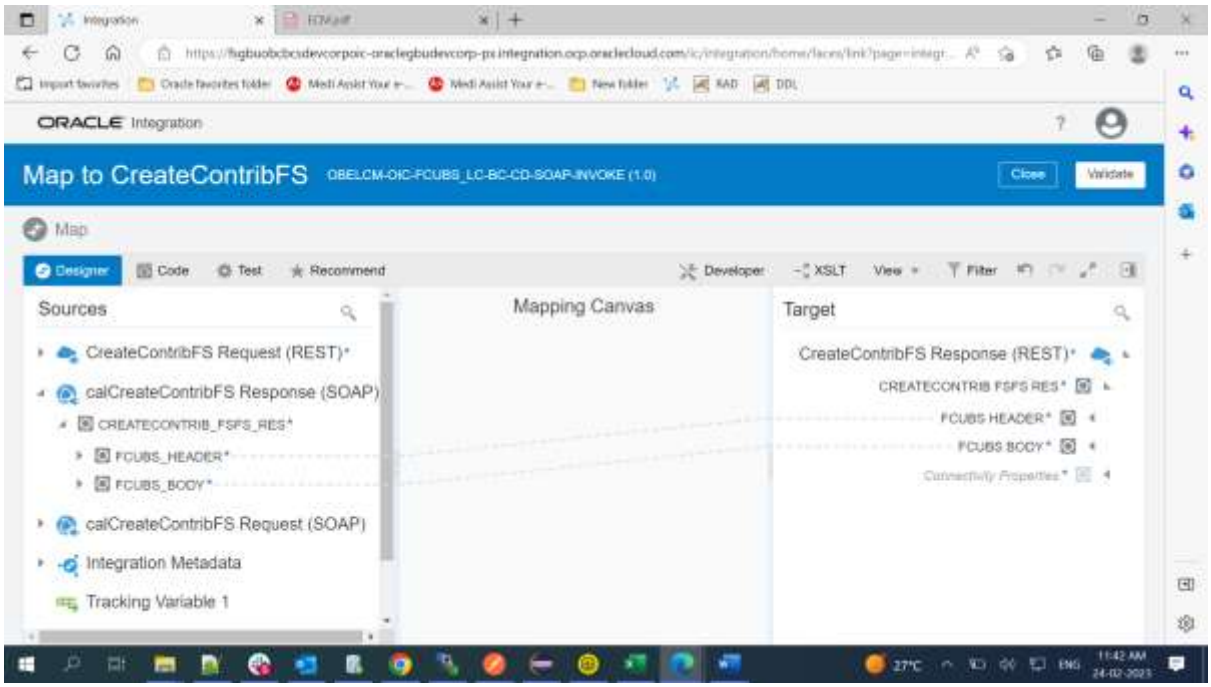


4p. Click on **Map to CreateContrib,**



4r. Drag and Drop the Field names from Source to its Target Field Names as shown below

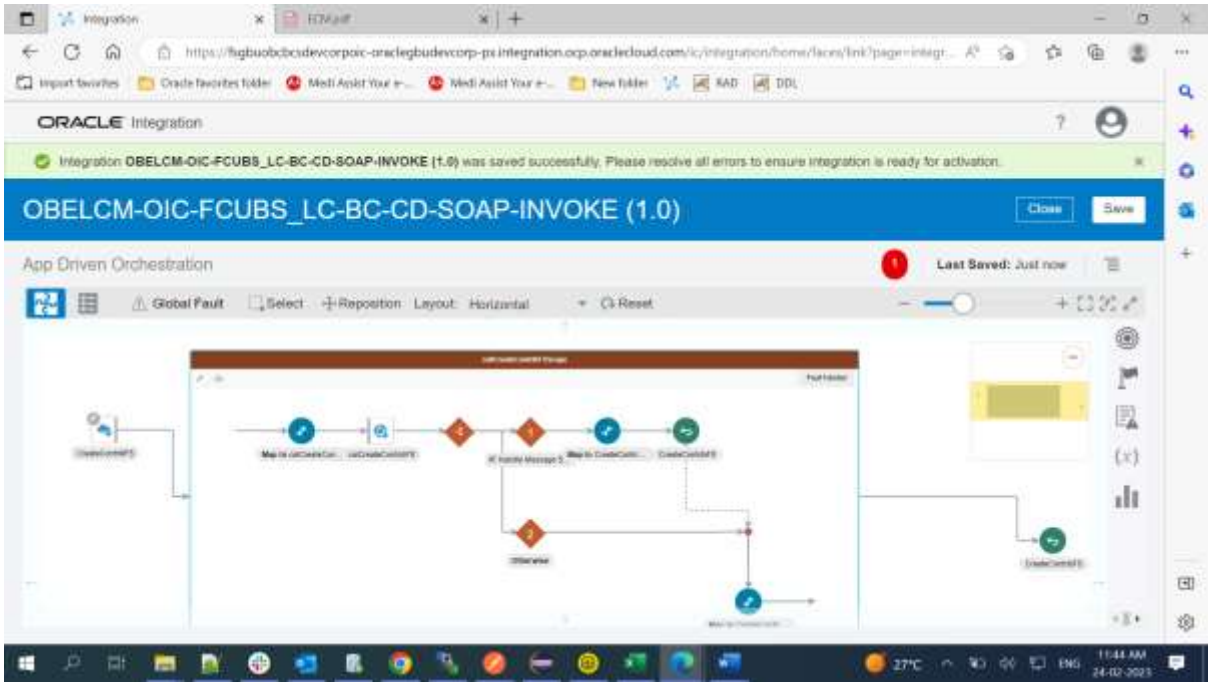




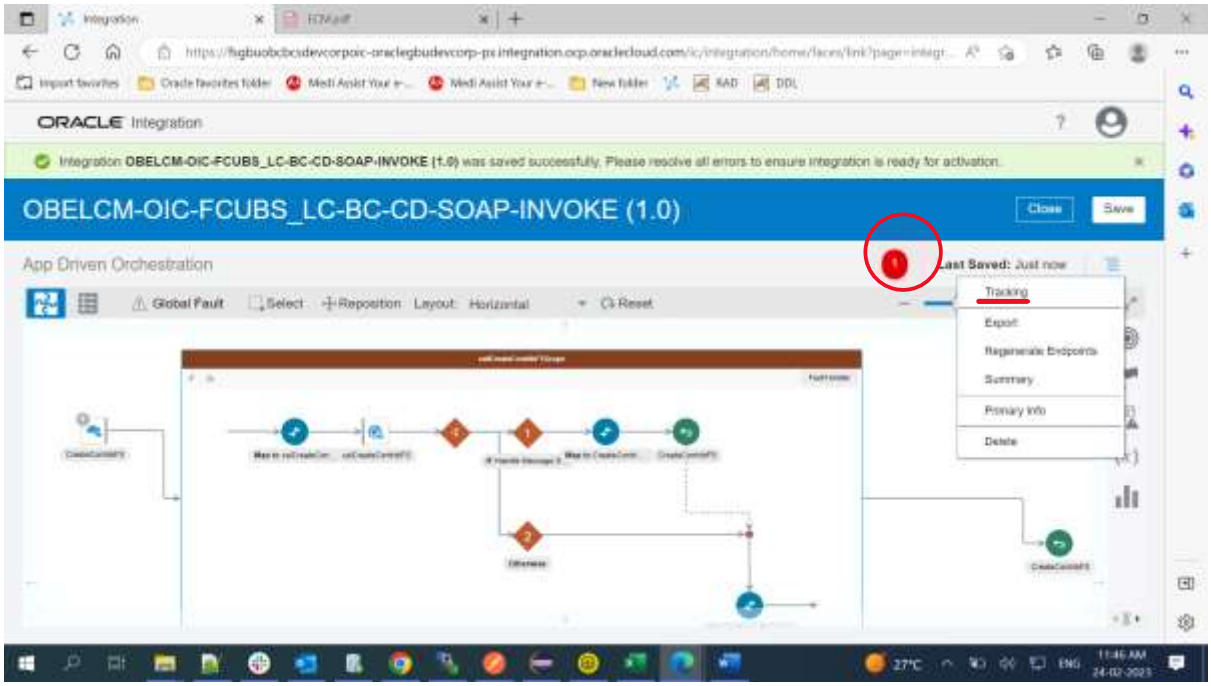
Click Validate and Close

5. Save And Activate Integration

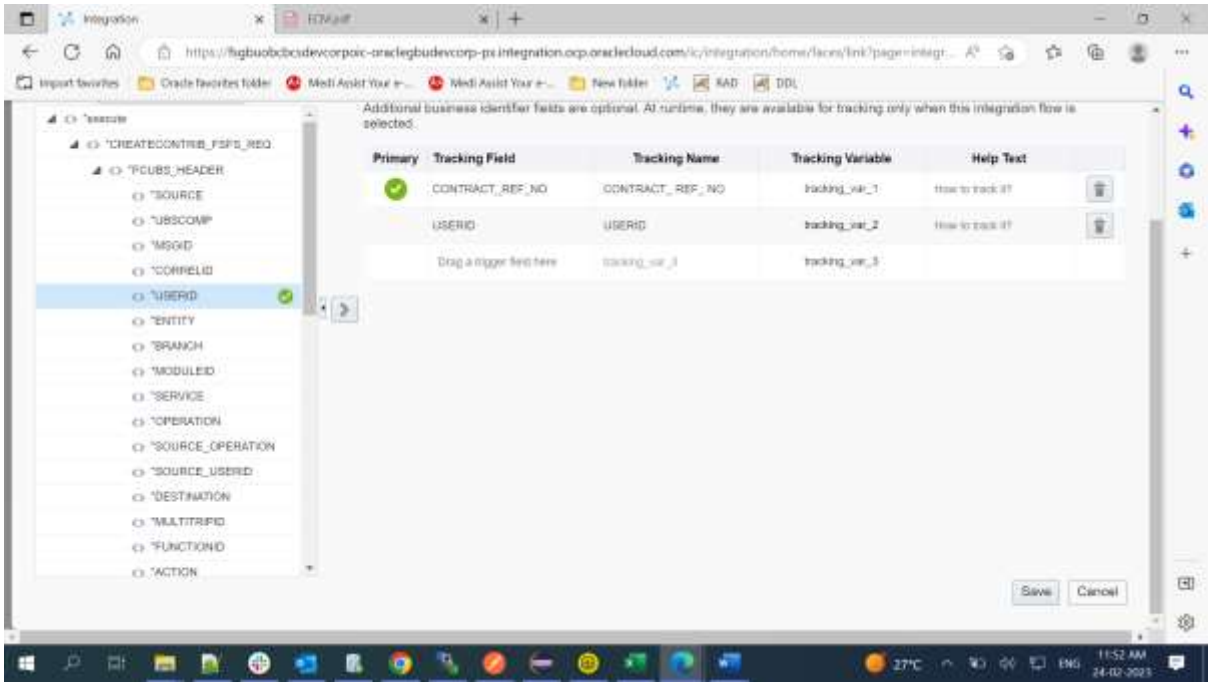
Click Save



you see one 1 Red Alert as shown below - We must add a tracking variable or combination of 2 or more variable. Click Tracking



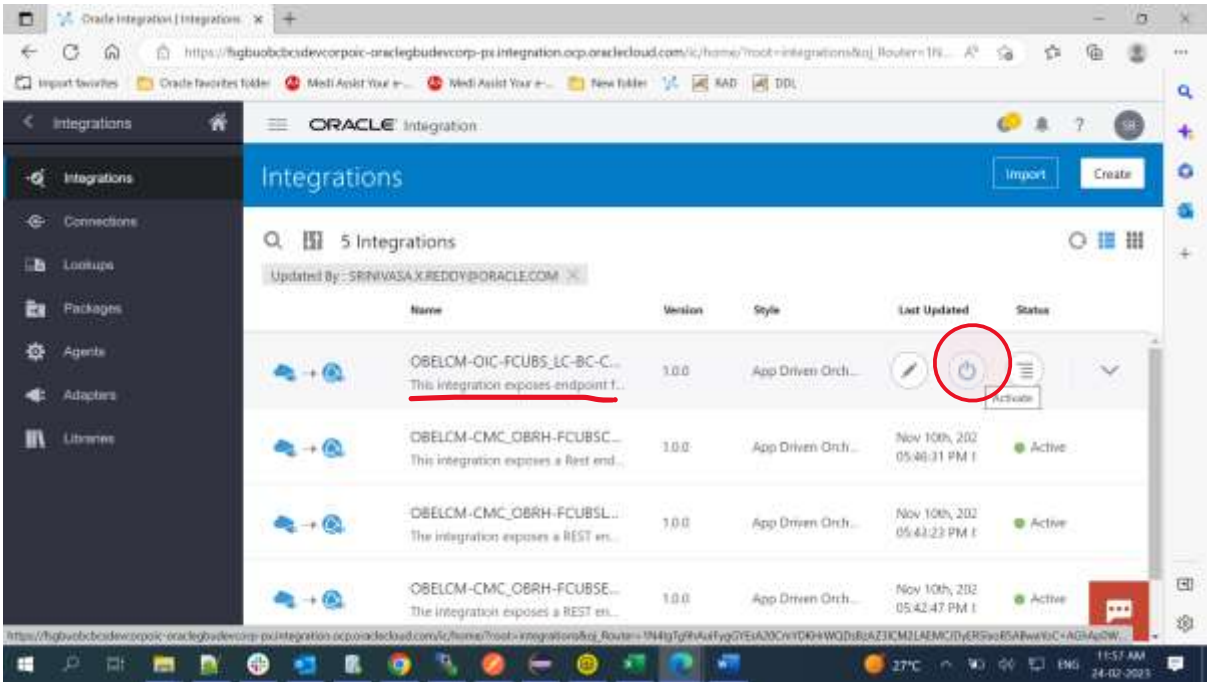
Drag and Drop fields from Request payload/Headers to the table shown below or select the field and click  and click Save



Save And Activate Integration

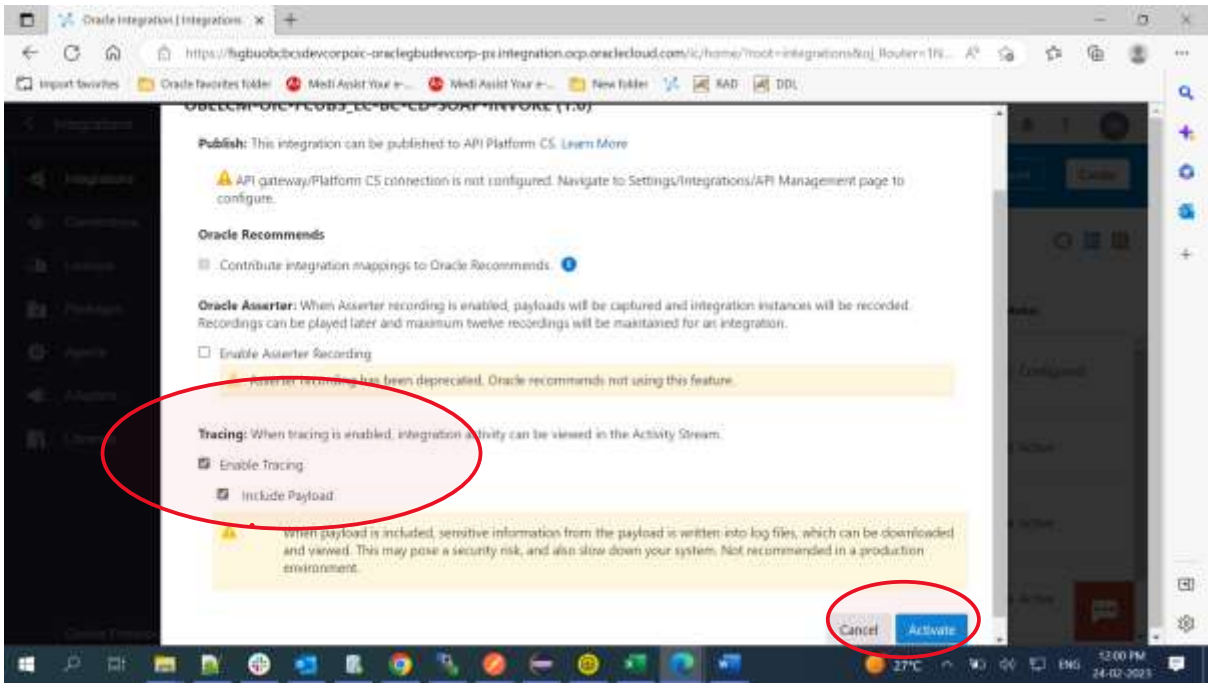
Click Save

1) In the Integration screen, first activate your integration by clicking on the  button shown below

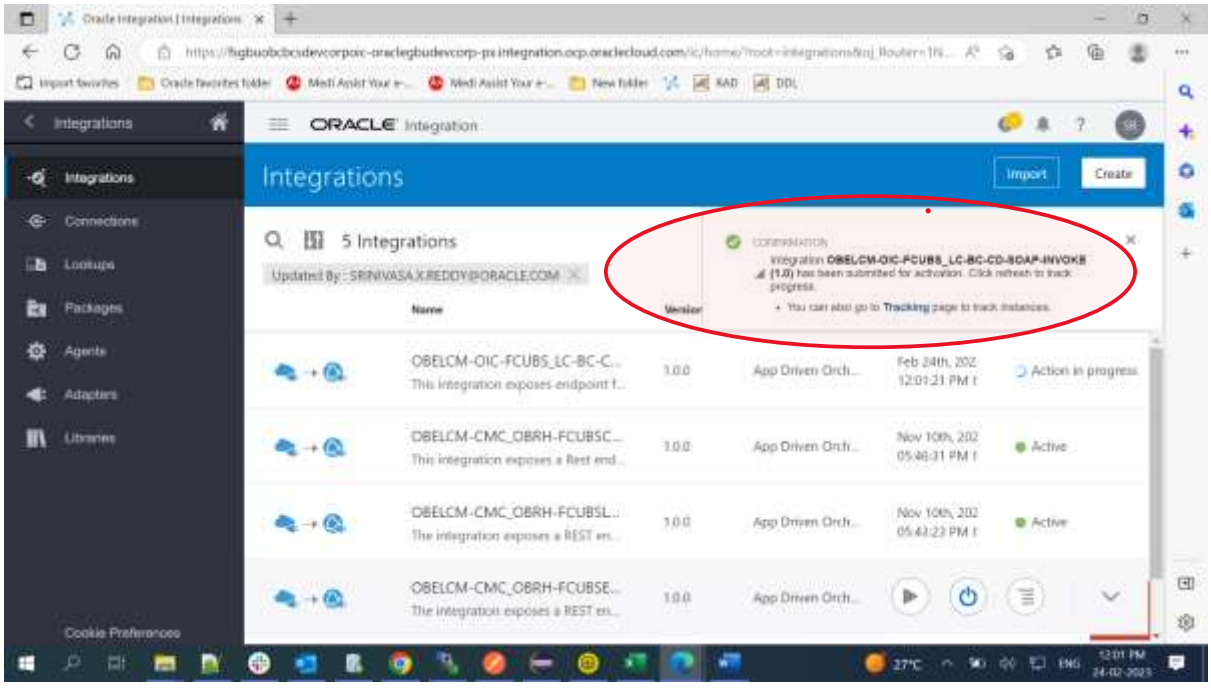


6. Enable Tracing

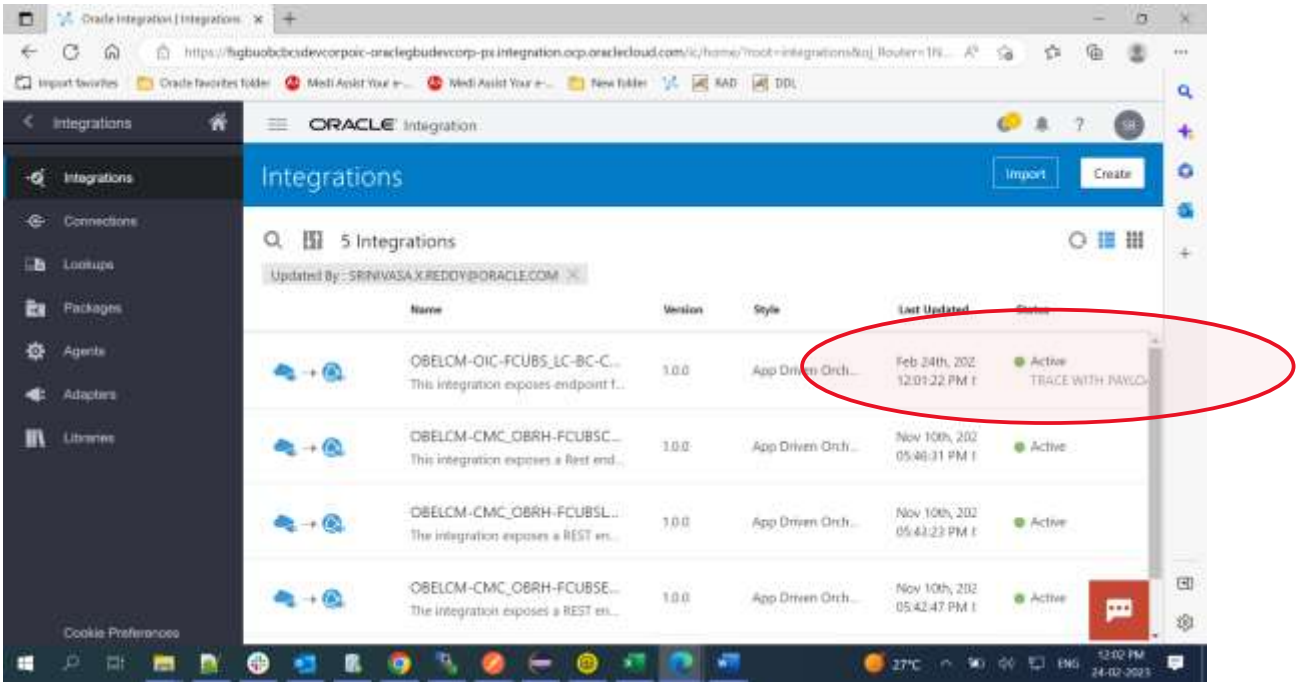
2) Enable Tracing and Include payload by click the check boxes and then click Activate



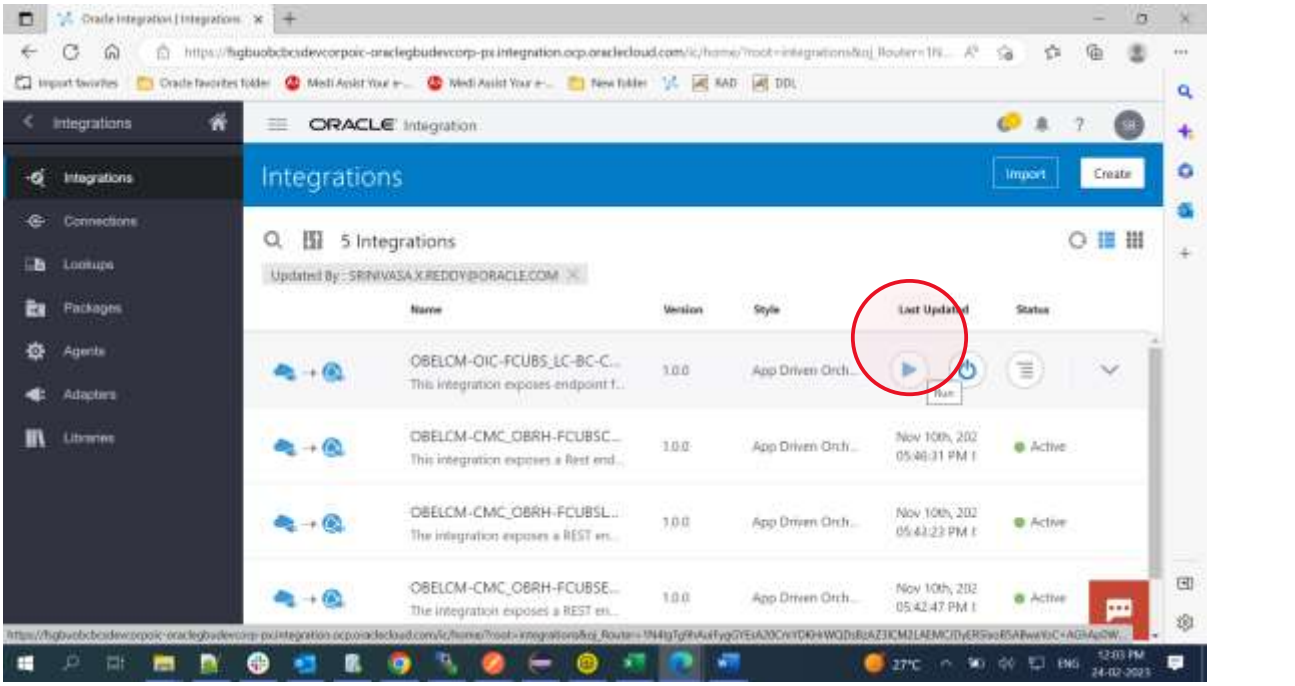
3) Activation is Successful.



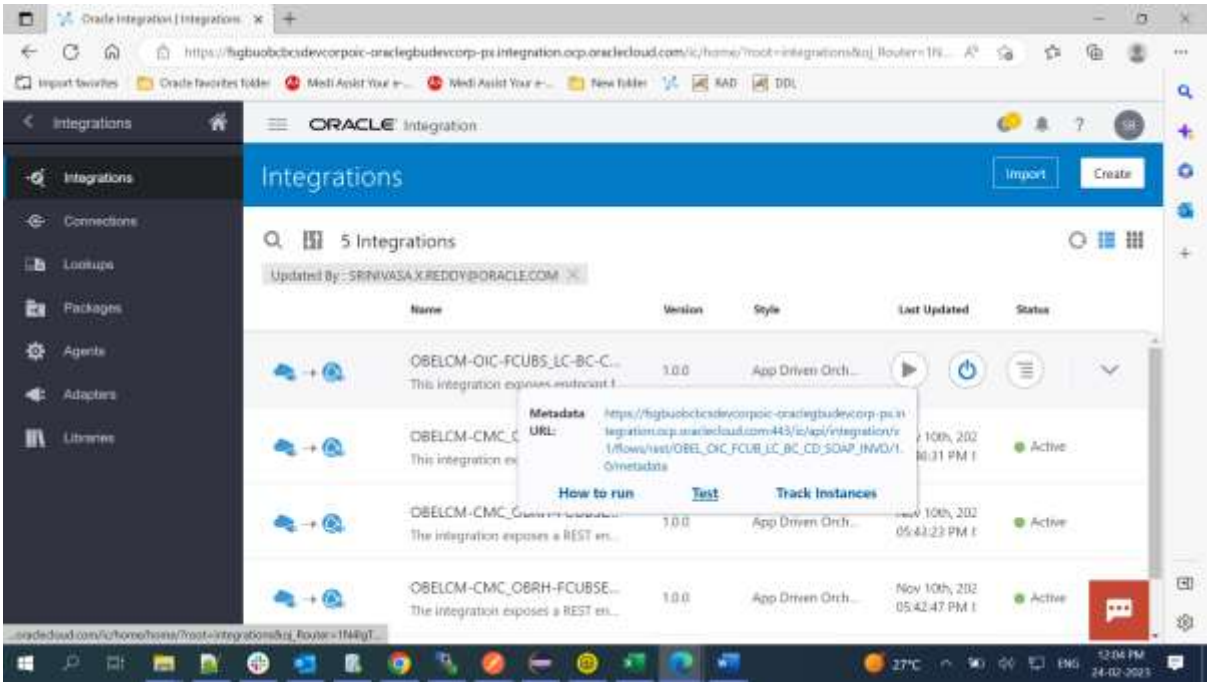
4) click on the refresh button to see the status **Active** for the integration



5) Click on Run

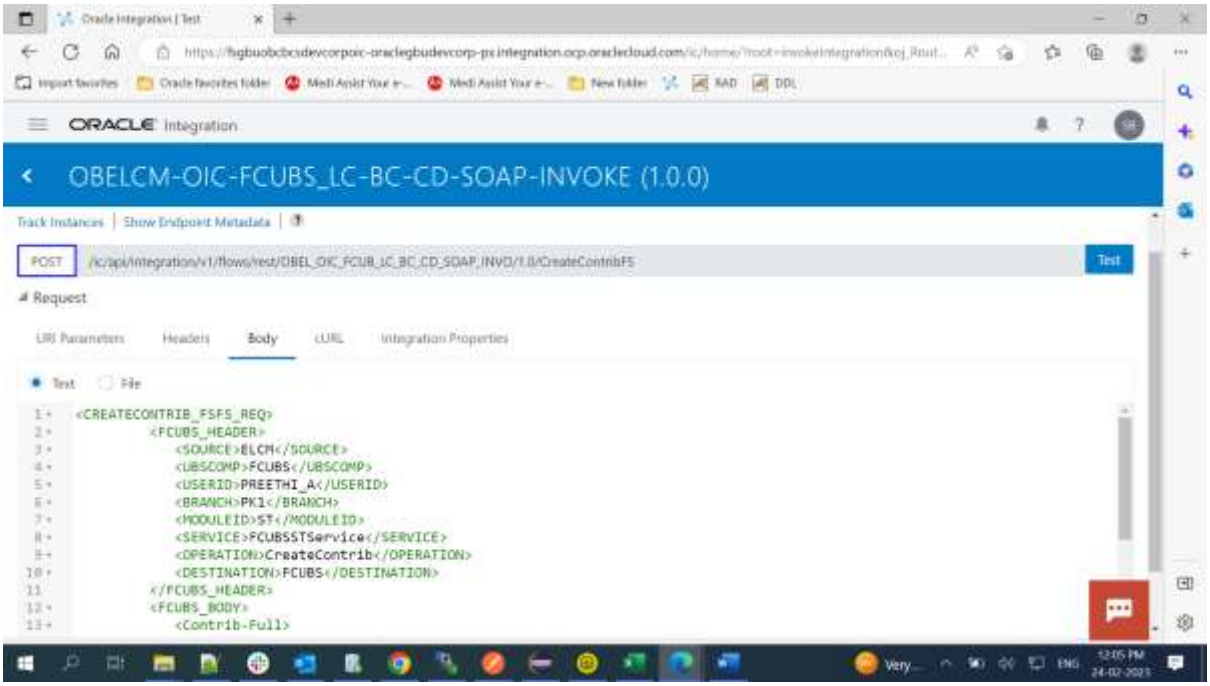


6) Click Test link.

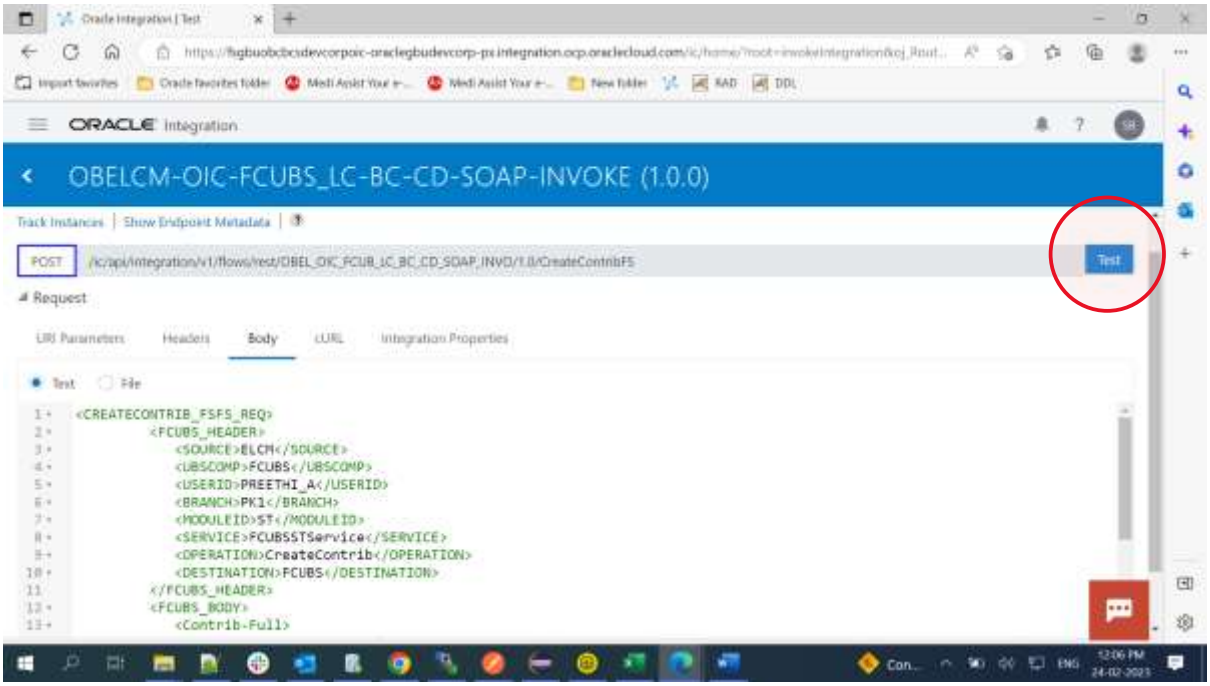


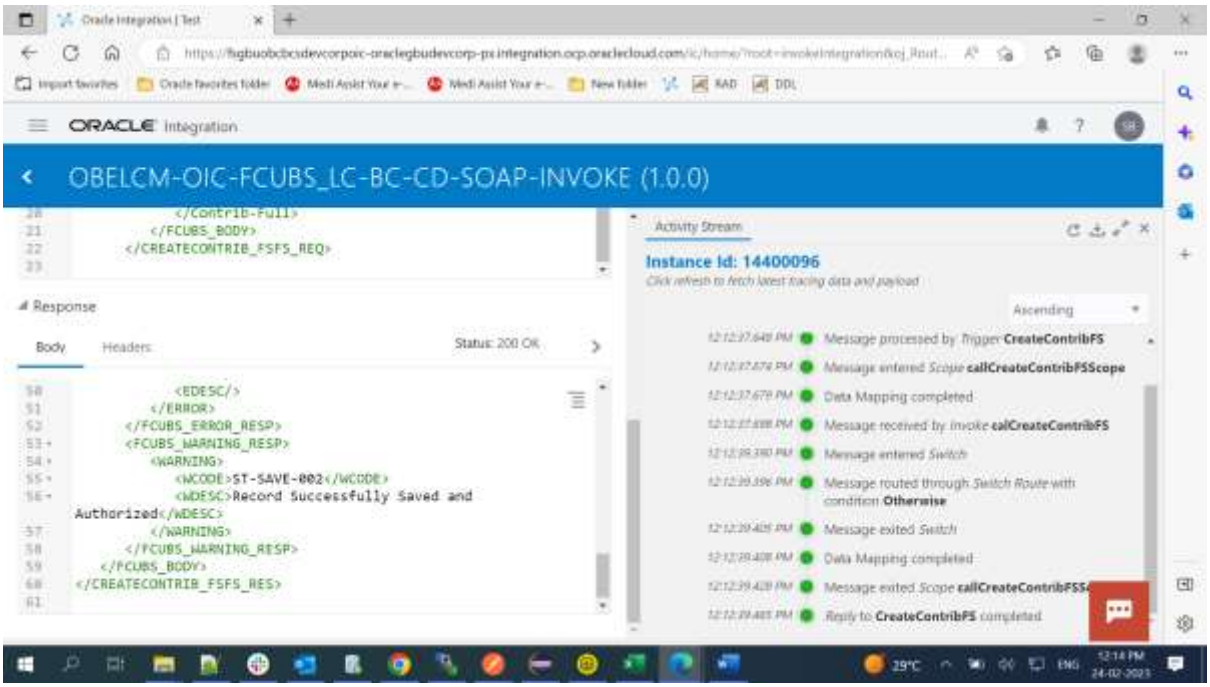
7. Testing the Integration

7) Provide request xml in the body as shown below

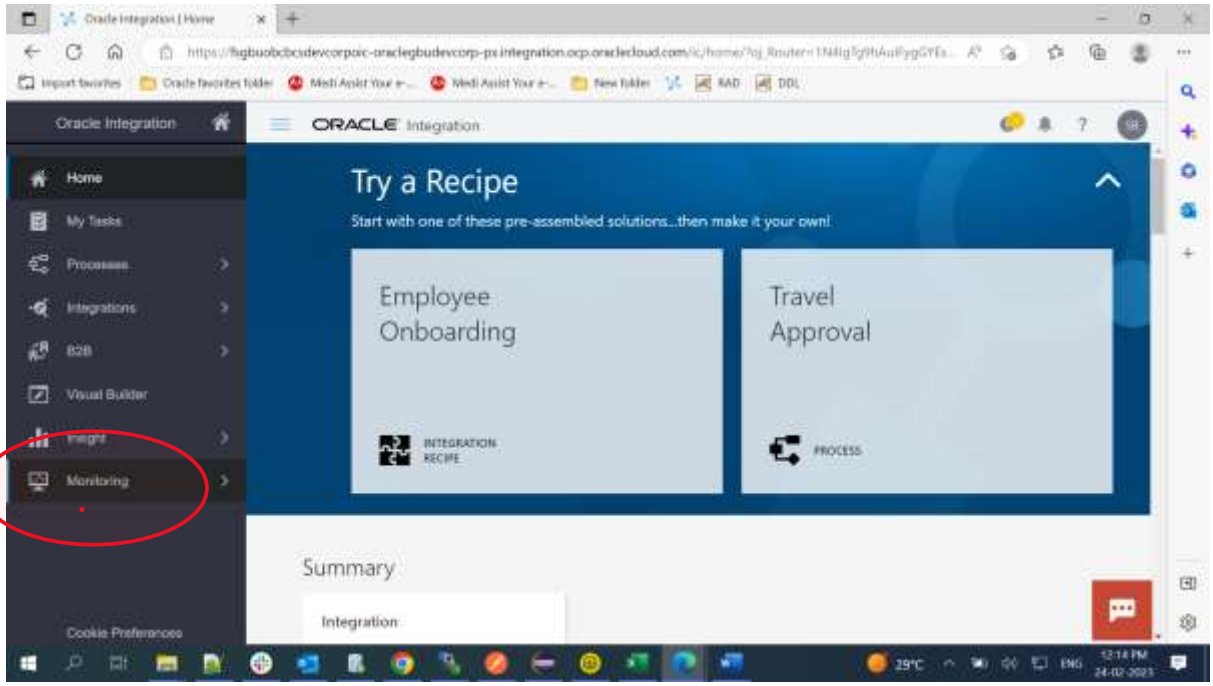


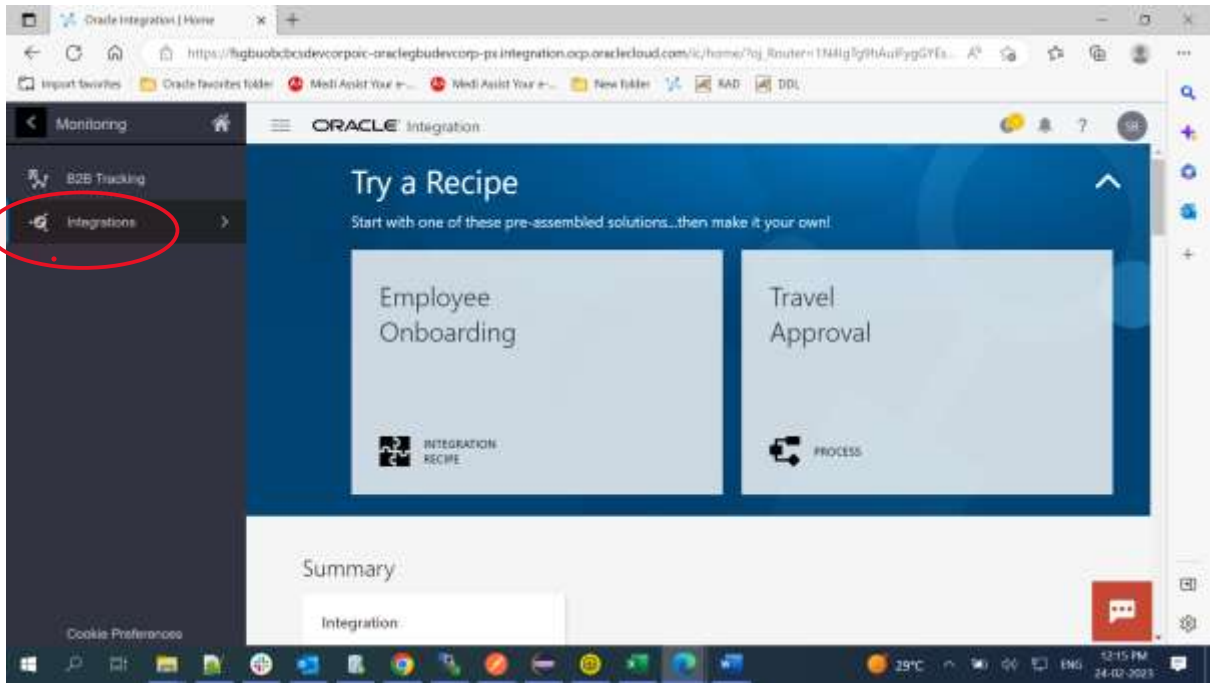
8) Click Test and verify the response

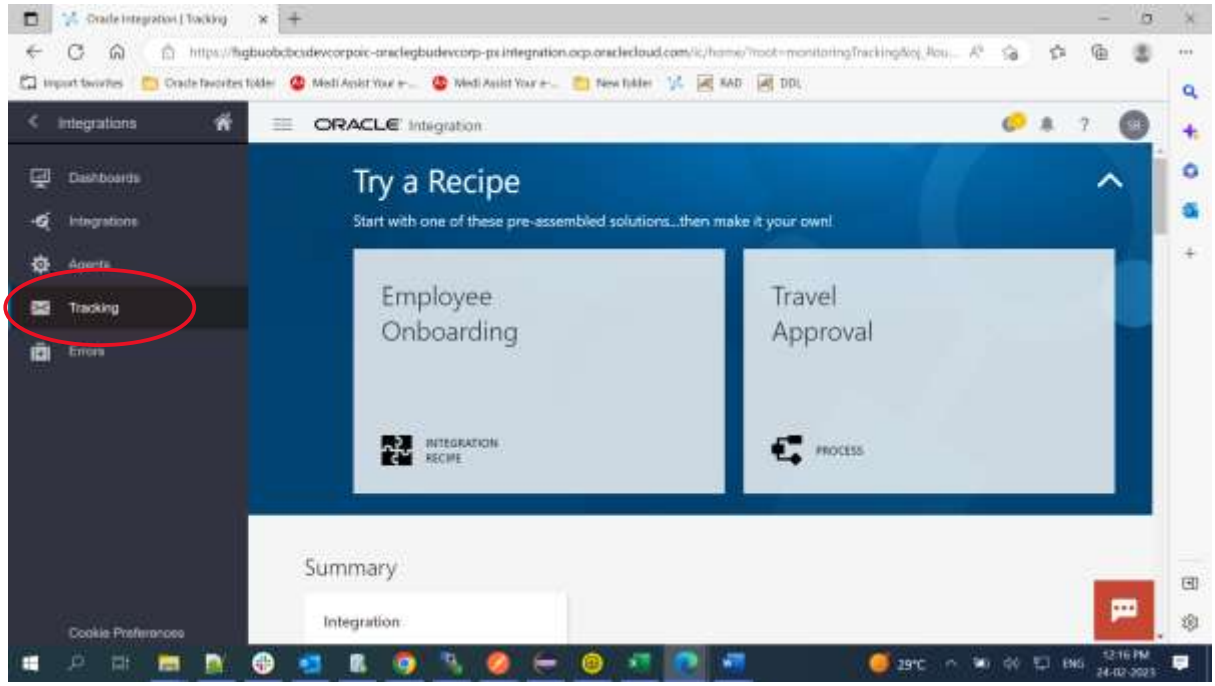


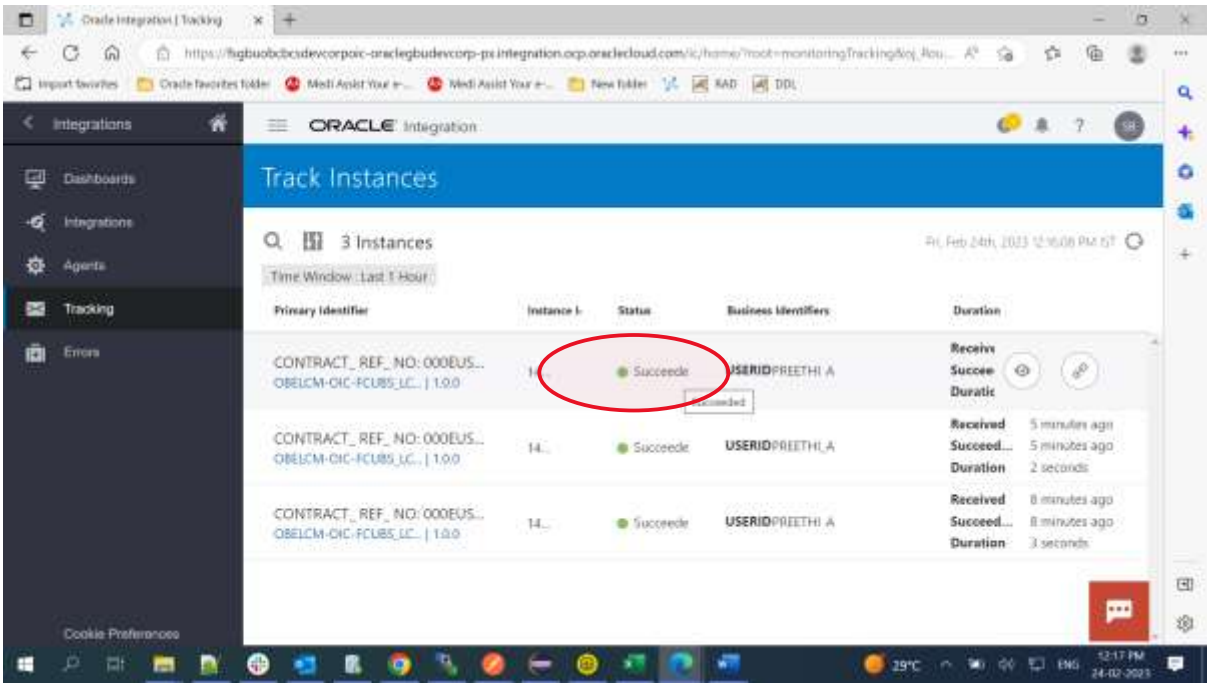


You can track the use case payload by navigating Home→ Monitoring → Integrations → Tracking


Oracle Integration
ORACLE Integration
Home
My Tasks
Processes
Integrations
B2B
Visual Builder
Insight
Monitoring
Cookie Preferences
Try a Recipe
Start with one of these pre-assembled solutions...then make it your own!
Employee Onboarding
INTEGRATION RECIPE
Travel Approval
PROCESS
Summary
Integration


Monitoring
ORACLE Integration
B2B Tracking
Integrations
Cookie Preferences
Try a Recipe
Start with one of these pre-assembled solutions...then make it your own!
Employee Onboarding
INTEGRATION RECIPE
Travel Approval
PROCESS
Summary
Integration


Integrations
ORACLE Integration
Dashboards
Integrations
Agents
Tracking
Errors
Try a Recipe
Start with one of these pre-assembled solutions...then make it your own!
Employee Onboarding
INTEGRATION RECIPE
Travel Approval
PROCESS
Summary
Integration
Cookie Preferences


Integrations
ORACLE Integration
Dashboards
Integrations
Agents
Tracking
Errors
Track Instances
3 Instances
Time Window: Last 1 Hour
Primary Identifier
Instance I...
Status
Business Identifiers
Duration
CONTRACT_REF_NO: 000EUS...
OBELCM-OIC-FCUBS_LC... | 1.0.0
Succeede
USERIDPREETHI.A
Received 5 minutes ago
Succeed... 5 minutes ago
Duration 2 seconds
Received 8 minutes ago
Succeed... 8 minutes ago
Duration 3 seconds
Cookie Preferences